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COELENTERATA

COMPILED BY

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119.—Hundt, R. Neue Forschungsergebnisse von gotlandischen Graptolithen. Experientia Basel **6** 8 1950 pp. 293–294 text-figs. [With English summary.]

120.—Itô, T. On *Hydramoeba hydroxena* (Entz) discovered in Japan. Sci. Rep. Tôhoku Univ. (4) **18** 2 1949 pp. 205–209 text-figs.

121.—Itô, T. On the morphological variation of the nematocysts in *Pelmatohydra robusta* Itô. (Studies on the nematocysts of the fresh-water Polyp, No. I.) Sci. Rep. Tôhoku Univ. (4) **18** 2 1949 pp. 211–215 text-figs.

122.—Itô, T. Morphological comparison between the nematocysts in the tentacles and column of *Pelmatohydra robusta* Itô. (Studies on the nematocysts of the fresh-water Polyp, No. II.) Sci. Rep. Tôhoku Univ. (4) **18** 2 1949 pp. 217–222 text-fig.

123.—Jarka, J. Geologie jižné části Moravského krasu mezi Křtinami a Mokrou. Rozpr. české Akad. (2) **58** 14 1949 pp. 1–21 pl. map. [Czech only.]

124.—Jeffords, R. M. The Occurrence of Corals in Late Palaeozoic Rocks of Kansas. State Geol. Surv. Kansas Bull. **76** 3 1948 pp. 29–52 pls. 1–4 text-figs.

125.—Jones, N. S. Marine bottom communities. Biol. Res. Cambridge **25** 3 1950 pp. 283–313.

Jopling, A. V. *vide* Osborne, G. D.

Kaberry, C. *vide* Ralph, P. M.

126.—Kändler, R. Jahreszeitliches Vorkommen und unperiodisches Auftreten von Fischbrut, Medusen und Dekapodenlarven im Fehmarnbelt in den Jahren 1934–1943. Ber. deutsch. wiss. Kom. Meeresforsch. Stuttgart N.F. **12** 1 1950 pp. 49–85 text-figs. chart.

127.—Kawaguchi, S. Investigation on reef-corals. Kagaku Nanyo (Sci. South Sea) **5** (1) 1942 pp. 95–106 [in Japanese.] [Not seen. See Biol. Abstracts **23** 7 1949 p. 2321 entry 22457.]

128.—Kawamura, T. [On *Bathyphysa.*] Dobuts. Zasshi Tokyo **57** 7 1947 pp. 95–97 text-figs. [Japanese only.]

129.—Kieslinger, A. Scyphozoa. Handb. Paläozool. **2A** 5 1939 pp. A69–A109 text-figs.

130.—Koenig, P. Les coraux et leur rôle économique dans l'Industrie sucrière. Trans. R. Soc. Arts Sci. Mauritius Ser. C. No. 11 1943 pp. 7–14.

131.—Kolosváry, G. On some Balanids living in corals, collected by the Snellius Expedition in 1930. Zool. Meded. Leiden **30** 19 1950 pp. 289–296 pls. 11–15 text-figs.

132.—Komai, T. (Hydroids of Japan.) Dobuts. Zasshi Tokyo **57** 7 1947 pp. 98–100 text-figs. [Japanese only.]

133.—Komai, T. & **Tokioka,** T. Three Remarkable Ctenophores from the Japanese Seas. Annot. zool. jap. **21** 1942 pp. 144–151 text-figs.

134.—Komai, T. & **Yamazi,** I. The Asexual Reproduction of the Hydromedusa *Gastroblasta chengshanensis.* Annot. zool. jap. **22** 1944 pp. 105–108 text-figs.

135.—Komai, T. & **Yamazi,** I. Order found in the Arrangement of Organs and Zoöids in some Medusae. Annot. zool. jap. **23** 1945 pp. 1–7 text-figs.

136.—[Korsakova, G. F.] [The problem of the variation of organs in the integrity of the colonial Hydroids. (Experiments with *Obelia longissima* and *Laeomedea flexuosa.*)] Zool. Journ. Moscow **29** 4 1950 pp. 307–322 text-figs. [Russian only.]

Kouriatchy, N. *vide* Furon, R.

137.—Kozłowski, R. Les Graptolithes et Quelques Nouveaux Groupes d'Animaux du Tremadoc de la Pologne. Palaeont. Polonica **3** 1948 pp. i–xii, 1–235 pls. 1–42 text-figs.

138.—Kramp, P. L. Origin of the Hydroid Family Corymorphidae. Vidensk. Medd. Dansk. naturh. Foren. **111** 1949 pp. 183–215 text-figs.

139.—Kramp, P. L. Polypdyr. Braestrup, F. W. Vort Lands Dyreliv **2** 1950 pp. 500–517 text-figs. Kobenhavn, Gyldendalske Boghandel.

140.—Kramp, P. L. Freshwater Medusae in China. Proc. zool. Soc. London **120** 1950 pp. 165–184 pls. 1, 2 text-figs.

Krestovnikov, V. N. *vide* Lutchitski, I. V.

141.—Kristenson, A. Some Observations Concerning the Pathophysiological Effects on the Human Skin Caused by the Stinging Jellyfish (*Cyanea Capillata*). Acta Physiol. Scand. Stockholm **18** 2–3 1949 pp. 151–156.

142.—Kugler, H. Neuer Fundort von *Craspedacusta Sowerbii* Lankester. Zool. Anz., Leipzig **130** 1940 p. 250.

143.—Kuhl. G. Vorführung eines Mikrozeitrafferfilmes über die ungeschlechtliche Fortpflanzung von *Craspedacusta sowerbii* Lank. Herre, Verh. Deuts. Zoologen in Mainz **1949** Leipzig (Geest & Portig) 1950 p. 360.

144.—Kuhn, Otto. Lehrbuch der Paläozoologie. Stuttgart **1949** pp. v, 1–326 text-figs. [Coelenterata, pp. 25–50.]

145.—Kühn, Othmar. Hydrozoa. Handb. Paläozool. **2A** 5 1939 pp. A1–A68 text-figs.

146.—Künne, C. Die Beroe (Ctenophora) der südlichen Nordsee, *Beroe gracilis* n. sp. Zool. Anz. Leipzig **127** 1939 pp. 172–174 text-fig.

147.—Kuriyan, G. K. The Fouling Organisms of Pearl-Oyster Cages. J. Bombay nat. Hist. Soc. **49** 1 1950 pp. 90–92 text-fig.

148.—Ladd, H. S. Recent Reefs. Bull. Amer. Assoc. Petrol. Geol. **34** 2 1950 pp. 203–214 text-figs.

149.—Ladd, H. S., **Tracey,** J. I., **Wells,** J. W. & **Emery,** K. O. Organic growth and sedimentation on an atoll. J. Geol. Chicago **58** 4 1950 pp. 410–425 pls. 1–7 text-figs.

la Fon, M. *vide* Roche, J.

150.—Lamont, A. Gala-Tarannon Beds in the Pentland Hills, near Edinburgh. Geol. Mag. London **84** 1947 pp. 193–208, 289–303, 319.

Lancaster, H. E. *vide* Osborne, G. D.

151.—Lang, W. D. Report on Dorset Natural History for 1949 (except Birds and Lepidoptera). Proc. Dorset nat. Hist. archaeol. Soc. **71** 1950 pp. 133–137.

152.—Lange, F. W. Novos Microfosséis Devonianos do Paraná. Arq. Mus. Paranaense Curitiba **7** 1949 pp. 287–298 pls. 6–8.

Layer, D. B. *vide* Waring, W. W.

153.—Lecompte, M. Découverte de nouveaux gîtes à *Dictyonema* dans le Trémadocien du Massif du Brabant. Bull. Inst. R. Sci. nat. Belg. **25** 45 1949 pp. 1–8 text-fig.

154.—Leghissà, S. Considerazioni morfofisiologische sul tessuta e sistema nervoso delle attinie. Riv. Biol. Perugia **41** 3 1941 pp. 317–330 pl. 1.

155.—Le Maître, D. Sur quelques genres de Stromatopores dévoniens et leur microstructure. Bull. Soc. géol. Fr. 5 **19** 7–8 1949 pp. 513–526 pls. 16–18 text-figs.

156.—Le Maître, D. Observations nouvelles sur les coraux du Dévonien de la Saoura (Sud-Oranais). C.R. Acad. Sci. Paris **230** 1950 pp. 990–992.

157.—Le Maître, D. & **Monod,** T. Nouvelles observations sur la série paléozoïque de l'Adrar mauritanien (Sahara occidental). C.R. Acad. Sci. Paris **230** 1950 pp. 1723–1725.

158.—Levet, M. N. Summary of Russian Papers on Upper Paleozoic Reefs. J. Geol. Chicago **58** 4 1950 pp. 426–429.

159.—Liu, T. T. & **Chang,** J. T. The Effect of Thymus Extract (Hanson's) on the Morphology of Hydra. Peking nat. Hist. Bull. **16** 3–4 1948 pp. 273–277 text-figs.

160.—Link, T. A. Theory of Transgressive and Regressive Reef (Bioherm) Development and Origin of Oil. Bull. Amer. Assoc. Petrol. Geol. **34** 2 1950 pp. 263–294 pls. 1, 2 text-figs.

161.—Lowenstam, H. A. Niagaran Reefs of the Great Lakes Area. J. Geol. Chicago **58** 4 1950 pp. 430–487 pls. 1–5 text-figs.

162.—[Lutchitski, I. V. & **Krestovnikov,** V. N.] [The Stratigraphy of the Palaeozoic deposits in the Upper Amur.] C.R. Acad. Sci. Moscou N.S. **75** 2 1950 pp. 267–270. [Russian only.]

163.—Maaden, H. v. d. Über *Cyanea capillata* Eschscholtz und die sog. var. *lamarcki* Péron & Lesueur. Zool. Anz. Leipzig **137** 1942 pp. 63–70.

164.—MacGinitie, G. E. & **MacGinitie,** N. Natural History of Marine Animals, pp. 1–473 1 pl. text-figs. New York, **1949.** [Coelenterates, pp. 115–148.]

MacGinitie, N. *vide* MacGinitie, G. E.

McLaren, D. J. *vide* Harker, P.

165.—[Malakhova, N. P.] [Some new data on the limestones of the river Shartimka in the Southern Urals.] C.R. Acad. Sci. Moscou N.S. **74** 2 1950 pp. 349–352. [Russian only.]

166.—Mann, G. and **Zapfe,** H. *Stauroclad ia hodgsoni*, nueva medusa para Chile. Invest. zool. chil. **2** 1950 pp. 7–8 text-figs.

167.—Matthes, S. Notiz über das Untersilur im nordwestlichen Vogtland. Beitr. geol. Thüringen Jena **8** 1–3 1944 pp. 158–161.

Maubeuge, P. L. *vide* Théobald, N.

168.—Meléndez, B. Tratado de Paleontologia 1. Invertebrados I. Animales Inferiores. Madrid **1947,** pp. i–xxiii, 1–511 pls. 1–9 text-figs. and tables. [Coelenterata, pp. 205–263.]

169.—Mettey, M. & **Hamon,** M. Contribution à l'étude histologique du gastrozoïde d'*Abylopsis tetragona* Otto. Arch. Anat. micr. Morph. expér. Paris **38** 4 1950 pp. 267–301 text-figs.

170.—Meyer, P. Natürliche Vitalfärbung bei *Hydra attenuata*. Protoplasma Wien **39** 3 1950 pp. 434–435 text-fig.

171.—Meyer, P. Eine neue Methode der Vitalfärbung. Mikrokosmos Stuttgart **40** 3 1950 pp. 72–73 text-figs.

172.—Meyer, P. Studien zur Regeneration bei *Hydra attenuata*. Österr. Zool. Z. Wien **2** 4 1950 pp. 343–351 text-figs.

173.—Miyashita, Y. On the Occurrence of a new *Hydrichthys* in the Pacific Coast of Japan. Annot. zool. jap. **20** 3 1941 pp. 151–153 text-figs.

174.—Monné, L. Über Farben und Farbenveränderungen lebenden Zellen im Dunkelfeld. Protoplasma **36** 2 1941 pp. 222–246.

Monod, T. *vide* Le Maître, D.

175.—Mori, S. [On *Cavernularia obesa* Valenciennes.] Dobuts. Zasshi Tokyo **56** 4–6 1944 pp. 1–24 text-figs. [Japanese only.]

176. Mueller, J. F. Some Observations on the Structure of *Hydra*, with Particular Reference to the Muscular System. Trans. Amer. micr. Soc. Menasha **69** 2 1950 pp. 133–147 pls. 1, 2.

177. Myers, J. Note on the Age of the Rocks on the East Side of Newport Bay, Pembrokeshire. Geol. Mag. London **87** 4 1950 pp. 263–264.

178.—[Naumov, D. V.] [Influence of the motion of water on the morphology of Hydroids.] C.R. Acad. Sci. Moscou N. S. **71** 6 1950 pp. 1125–1127 text-figs. [Russian only.]

179.—Navarro Cándido, A. Clasificación de los animales, pp. 1–317 pls. 1–26 text-figs. Madrid, **1949**. [Coelenterates, pp. 28–39.]

Novik, E. O. *vide* Ayzenberg, D. E.

180.—Nyholm, K.-G. On the Development and Dispersal of Athenaria Actinia with Special Reference to *Halcampa duodecimcirrata*, M. Sars. Zool. Bidr. Uppsala **27** 1949 pp. 465–506 pls. 1–3 text-figs.

181.—Oliveira, L. P. H. de. Relatorio sobre as excursões científicas feitas a bordo do Navio Hidrográfico Rio Branco, sob a orientação do professor Pierre Drach, da Sorbonne. Mem. Inst. Osw. Cruz **47** 1950 pp. 87–96 1 map.

182.—Oliveira, L. de. Levantamento Biogeográfico de Baía de Guanabara. Mem. Inst. Osw. Cruz **48** 1950 pp. 363–391 4 pls., text-figs. 2 maps.

183.—Osborne, G. D., **Jopling,** A. V. & **Lancaster,** H. E. The Stratigraphy and General Form of the Timor Anticline, N.S.W. J. roy. Soc. N.S.W. **82** 4 1950 pp. 312–318 pl. 22.

184.—Pantin, C. F. A. Behaviour Patterns in Lower Invertebrates. Symposia Soc. exp. Biol. Cambridge **4** 1950 pp. 175–195 text-figs.

185.—Parkinson, D. The Stratigraphy of the Dovedale Area, Derbyshire and Staffordshire. Quart. J. Geol. Soc. London **105** 1950 pp. 265–294 pl. 16 text-figs.

186.—Parkinson, D. Some Features of the Lower Carboniferous Reef Limestones of Clitheroe, Lancashire. Geol. Mag. London **87** 5 1950 pp. 337–350 pl. 16 text-figs.

187.—Pérès, J.-M. & **Picard,** J. Notes sommaires sur le peuplement des grottes sous-marines de la région de Marseille. C.R. Soc. Biogéogr. Paris Nos. 225–227 1949 pp. 42–46.

188.—Picard, J. Observations sur les Hydraires récoltés aux Martigues dans le canal de Caronte. Vie et Milieu Paris **1** 1 1950 pp. 51–52.

189.—Picard, J. Notes sur les Hydraires Méditerranéens. Vie et Milieu Paris **1** 2 1950 pp. 191–197.

190.—Picard, J. Notes sur quelques Hydraires de la région de Banyuls. Vie et Milieu Paris **1** 3 1950 pp. 277–278.

Picard, J. *vide* Pérès, J.-M.

191.—Plummer, F. B. The Carboniferous Rocks of the Llano Region of Central Texas. Univ. Texas Bull. Austin No. 4329 1950 pp. 1–170 pls. 1–22 text-figs.

192.—Praeger, A. L. Natural History of Ireland, pp. 1–350. London **1950**. [Coelenterates, pp. 283–285.]

Prantl, F. *vide* Svoboda, J.

193.—Preston, F. S. Coral Ulcer. Brit. med. J. London No. 4654 1950 pp. 642–644.

194.—Ralph, P. M. Ctenophores from the Waters of Cook Strait and Wellington Harbour. Trans. Proc. roy. Soc. N.Z. **78** 1 1950 pp. 70–82 text-figs.

195.—Ralph, P. M. & **Kaberry,** C. New Zealand Coelenterates. Ctenophores from Cook Strait. Zool. Publ. Victoria Univ. Coll. N.Z. **3** 1950 pp. 1–11 text-figs.

196.—Ramakrishna, P. A., **Bhimachar,** B. S. & **Subramaniam,** M. K. Occurrence of the Freshwater Medusa (*Limnocnida indica*) in south-west India. J. Bombay nat. Hist. Soc. **49** 2 1950 pp. 318–319.

197.—Ranson, G. Géonémie, écologie et répartition géographique des Coraux constructeurs de récifs. Coraux et climats. C.R. Soc. Biogéogr. Paris 233–235 **1950** pp. 77–88.

198.—Rees, W. J. On *Cladonema myersi*, a new species of Hydroid from the Californian Coast. Proc. zool. Soc. London **119** 1950 pp. 861–865 text-figs.

Revilla, J. *vide* Almela, A.

199.—Ricketts, E. F. & **Calvin,** J. Between Pacific Tides, pp. i–xxvii, 1–365 frontispiece pls. 1–46. Stanford, **1948.**

200.—Ringuelet, R. La Medusa de Agua Dulce *Craspedacusta Sowerbyi* Lank. en la Argentina. Notas Mus. La Plata Zool. **15** 134 1950 pp. 135–150 pls. 1–3 text-fig.

201.—Ringuelet, R. A. Clasificación Moderna del Reino Animal Incluyendo Clases y Subclases de Acordados Vivientes y Extinguidos. [Pub.] Fac. Cienc. nat. Mus. La Plata Ser. tecn. y didáctica No. 3 1950 pp. 1–61.

202.—Roche, J. & **Eysseric-Lafon,** M. Sur la spécificité de composition des scléroprotéines iodées présentes dans l'axe corné de divers Anthozoaires (Hexacoralliaires et Octocoralliaires). C.R. Acad. Sci. Paris **230** 1 1950 pp. 146–148.

203.—Roche, J. & **Eysseric-Lafon,** M. Sur l'existence de deux types de scléroprotéines iodées (antipathines et gorgonines) chez les Coralliaires. C.R. Acad. Sci. Paris **231** 25 1950 pp. 1582–1583.

204.—Roche, J. & **la Fon,** M. Composition chimique des scléroprotéines iodées de l'axe corne des Gorgonidés et classification. C.R. **13e** Congr. int. Zool. Paris 1948 [1949] pp. 464–465.

Rosene, H. F. *vide* Whitten, H. L.

205.—Rusconi, C. Diferentes organismos del ordovicio y del cámbrico de Mendoza. Rev. Mus. Hist. nat. Mendoza **4** 3–4 1950 pp. 63–70 text-figs.

206.—Rusconi, C. Primera contribucion al conocimiento de los graptolitas paleozoicos de Mendoza. Rev. Mus. Hist. nat. Mendoza **4** 3–4 1950 pp. 95–164 pls. 1–4 text-figs.

207.—Rusconi, C. Notas sobre faunas paleozoicas de Mendoza. An. Soc. Cient. argent. Buenos Aires **149** 4 1950 pp. 157–177 text-figs.

208.—Salter, K. E. W. & **Besley,** M. A. Coral Genera of Heron Island (Barrier Reef). Proc. Linn. Soc. N.S.W. **75** 5–6 1950 pp. xxv–xxvi.

209.—Sampelayo, P. H. Agrupación de graptolítidos infrasilurianos biseriados. Notas Com. Inst. Geol. Min. España **20** 1950 pp. 83(1)–86(4) 1 pl.

210.—Sampelayo, P. H. *Dorlodotia* cf. *Delepinei*, Charles. Notas Com. Inst. Geol. Min. España **20** 1950 pp. 87(1)–90(4) 1 pl.

Samson, H. R. *vide* Cochrane, G. W.

211.—[Savinov, S. I.] [The Fauna of the Peripheral Part of the Middle and Upper-Lower Carboniferous of the Shirnousk Elevation in the Stalingrad District.] C.R. Acad. Sci. Moscou N.S. **69** 1 1949 pp. 65–67. [Russian only.]

212.—Schindewolf, O. H. "Konvergenzen" bei Korallen und bei Ammoneen. Fortsch. Geol. Palaeont. **12** 41 1940 pp. 389–492 1 pl. text-figs. [not seen].

213.—Schindewolf, O. H. Zur Kenntniss der Polycoelien und Plerophyllen. Eine Studie über den Bau der "Tetrakorallen" und ihre Beziehungen zu den Madreporarien. Abh. Reichsamts Bodenforschung N.F. **204** 1942 pp. 1–324 pls. 1–36 text-figs.

214.—Schindewolf, O. H. Der Zeitfactor in Geologie und Paläontologie, pp. 1–114 text-figs. 3 tables. Stuttgart, **1950.**

215.—Schindewolf, O. H. Grundfragen der Paläontologie, pp. 1–505 pls. 1–32 text-figs. Stuttgart **1950.**

216.—Schmidt-Ries, H. Zur Verbreitung von Süsswasserhydrozoen im Rheingebiet. Arch. Hydrobiol. Stuttgart **44** 1 1950 pp. 73–76.

217.—Schönmann, R. Die Welt der Tiere, pp. 1–654 pls. 1–14 text-figs. Wien, **1949.** [Coelenterates, pp. 366–385.]

218.—Schouppé, A. Kritische Betrachtungen zu den Rugosen-Genera des Formenkrieses *Tryplasma* Lonsd.—*Polyorophe* Lindstr. S.B. öst. Akad. Wiss. Abt. I **159** 1–5 1950 pp. 75–85.

219.—Schouppé, A. Archaeocyathacea in einer Caradoc-Fauna der Grauwackenzone der Ostalpen. N. Jahrb. Min. Geol. Paläont. Stuttgart **B91** 2 1950 pp. 193–232 pl. 14. [Coral p. 216.]

220.—Schulz, E. Zur Oekologie von *Protohydra leuckarti* Greef. (Studien an Hydrozoa, I.) Kiel. Meeresforsch. **7** 1 1950 pp. 53–57.

221.—Schulz, E. *Psammohydra nanna,* ein neues solitäres Hydrozoon in der westlichen Beltsee. (Studien an Hydrozoa, II.) Kiel. Meeresforsch. **7** 2 1950 pp. 122–137 text-figs.

222.—Schuurmans Stekhoven, J H. & **Allgén,** C. Contracaecum-Larven als Xenobionten in Coelenteraten. Zool. Anz. Leipzig **136** 1941 pp. 76–77.

223.—Sears, M. Notes on siphonophores. 1. Siphonophores from the Marshall Islands. J. mar. Res. New Haven **9** 1 1950 pp. 1–16 text-figs.

224.—[Semikhatova, S. V.] [The Lower and Middle Carboniferous in the Gorki District.] C.R. Acad. Sci. Moscou N.S. **74** 5 1950 pp. 1003–1006. [Russian only.]

Shulga, P. L. *vide* Ayzenberg, D. E.

225.—Skramlik, E. v. Beobachtungen an Medusen. Zool. Jahrb. Jena (Allg. Zool.) **61** 1945 pp. 296–336 text-figs.

226.—Sloss, L. L. Rates of evolution. J. Paleont. **24** 2 1950 pp. 131–139 text-figs.

227.—Smith, F. G. W. Atlantic Reef Corals, pp. 1–112 pls. 1–41 text-figs. Miami, **1948.**

228.—Smith, F. G. W., **Williams,** R. H. & **Davis,** C. C. An ecological survey of the subtropical inshore waters adjacent to Miami. Ecology Lancaster Pa. **31** 1 1950 pp. 119–146 text-figs. table.

229.—Sprigg, R. C. Early Cambrian "Jellyfishes" of Ediacara, South Australia and Mount John, Kimberley District, Western Australia. Trans. roy. Soc. S. Aust. **73** 1 1949 pp. 72–99 pls. 9–21 text-figs.

230.—Stefanelli, A. Una medusa d'acqua dolce del genere *Craspedacusta* sviluppatasi in una vasca dell'Istituto. Boll. zool. Torino **15** 1948 pp. 41–45 text-fig.

Stelck, C. R. *vide* Warren, P. S.

231.—Stevens, N. C. The Geology of the Canowindra District, N.S.W. Part I. The Stratigraphy and Structure of the Cargo-Toogong District. J. roy. Soc. N.S.W. **82** 4 1950 pp. 319–337 pl. 21 text-figs.

232.—Stevens, N. C. Note on the Occurrence of a Shelly Facies in the Ordovician at Cliefden Caves, near Mandurama, N.S.W. Aust. J. Sci. **13** 3 1950 p. 83.

233.—Stiasny, G. Über *Drymonema dalmatina* Haeckel. Zool. Jahrb. Jena (Anat.) **66** 1940 pp. 437–462 pl. 4 text-figs.

234.—Stiasny, G. Studien über Alcyonaria und Gorgonaria. (Parerga und Paralipomena) I–V. Zool. Anz. Leipzig **133** 1941 pp. 265–276 text-figs.; **134** 1941 pp. 53–71 text-figs., pp. 253–268 text-figs. ; **135** 1941 pp. 13–25 text-figs., pp. 75–88 text-figs.

235.—Stiasny, G. Ergebnisse der Nachuntersuchung der Muriceidae (Gorgonaria) der Siboga-Expedition. Vorläufige Mitteilung. Zool. Anz. Leipzig **140** 1942 pp. 191–199.

236.—Stiasny, G. Alcyonaria und Gorgonaria aus dem Golf von Neapel. Pubbl. Staz. zool. Napoli **19** 1 1942 pp. 1–47 text-figs.

237.—Stiasny, G. Die Gorgonarien-Familie Acanthogorgiidae Kukenth. & Gorz. mit besonderer Berücksichtigung des Materials der Siboga-Expedition. Zool. Anz. Leipzig **141** 1943 pp. 127–133.

Stride, A. H. *vide* Hepworth, J. V.

238.—Stumm, E. C. Corals of the Devonian Traverse Group of Michigan. Part III, *Antholites, Pleurodictyum,* and *Procteria.* Contr. Mus. Paleont. Univ. Michigan **8** 8 1950 pp. 205–220 pls. 1–5.

239.—Stumm, E. C. New name for *Favosites proximus* Davis. J. Paleont. **24** 3 1950 p. 395.

Subramaniam, M. K. *vide* Ramakrishna, P. A.

240.—Sugiyama, T. Stratigraphical and Palaeontological Studies of the Gotlandian Deposits of the Kitakami Mountainland. Sci. Rep. Tôhoku Imp. Univ. **21** 2 1940 pp. 81–146 pls. 13–33 (1–21) text-figs. and Errata slip.

Sugiyama, T. *vide* Yabe, H.

241.—Svoboda, J. & **Prantl,** F. Stratigraphic and Tectonic Study of the Neighbourhood of the Quarry "Cikánka" in the Radotín Valley (Central Bohemia). Sborn. Stát. Geol. Úst. Cesko. Repub. **17** 1950 pp. 105–139 pls. 3–6. [Czech, English summary.]

242.—Swedmark, B. & **Teissier,** G. Développement d'un Hydrozoaire aberrant *Halammohydra schulzei* Remane. C.R. Acad. Sci. Paris **231** 2 1950 pp. 173–174.

243.—Teichert, C. & **Fairbridge,** R. W. Photo-Interpretation of Coral Reefs. Photogrammetric Engineering **1950** pp. 744–755 text-figs.

244.—Teissier, G. Notes sur quelques Hydrozoaires de Roscoff. Arch. Zool. exp. gén. Paris Notes et Revue 1 **87** 1950 pp. 1–10.

Teissier, G. *vide* Swedmark, B.

Termier, G. *vide* Termier, H.

245.—Termier, H. & **Termier,** G. Sur les graptolithes dendroïdes de l'Algérie. C.R. **13e** Congr. int. Zool. Paris 1948 [1949 pp. 545–546.

246.—Termier, H. & **Termier,** G. *Taouzia Chouberti* nov. gen. nov. sp. Bull. Soc. Sci. nat. Maroc **28** 1950 pp. 136–137 text-fig.

247.—Théobald, N. & **Maubeuge,** P. L. Paléogéographie du Jurassique inférieure et moyen dans le Nord-Est de la France et le Sud-Ouest de l'Allemagne. Ber. naturf. Ges. Freiburg **39** 1949 pp. 249–320 pls. A, B table text-figs.

248.—Thienemann, A. Verbreitungsgeschichte der Süsswassertierwelt Europas. Versuch einer historischen Tiergeographie der europäischen Binnengewässer. Binnengewässer Stuttgart **18** 1950 pp. i–xvi 1–809 pls. 1–11 text-figs. tables.

249.—Thomas, I. M. The Medusa *Craspedacusta* in Australia. Nature London **166** 4216 1950 pp. 312–313.

250.—Thorson, G. Reproductive and larval ecology of marine bottom invertebrates. Biol. Rev. Cambridge **25** 1 1950 pp. 1–45 text-figs.

251.—Tixier-Durivault, A. Révision de la famille des Alcyoniidae. I. Le Genre *Lobularia* Ehrbg. (nec. Lamarck). Mém. Mus. Hist. nat. Paris N.S. **23** 1 1948 pp. 1–255 text-figs.

Tokioka, T. *vide* Komai, T.

Tracey, J. I. *vide* Ladd, H. S.

252.—Trauth, F. Die fazielle Ausbildung und Gliederung des Oberjura in den nördlichen Ostalpen. Verh. geol. Bundesanst. Wien **1948** 10–12 1950 pp. 145–218 pls. 1–3 [especially pp. 207–211].

253.—Tresselt, E. F. The freshwater medusa, *Craspedacusta sowerbii*, in Matoaka Lake, Williamsburg, Virginia. Ecology Lancaster Pa. **31** 3 1950 p. 478.

254.—Turner, C. L. The reproductive potential of a single clone of *Pelmatohydra oligactis*. Biol. Bull. Woods Hole **99** 1950 pp. 285–299 text-figs.

255.—Twenhofel, W. H. Coral and Other Organic Reefs in Geologic Column. Bull. Amer. Assoc. Petrol. Geol. **34** 2 1950 pp. 182–202 text-figs.

256.—Uchida, T. Actinaria Collected in the Vicinity of Onagawa Bay. Sci. Rep. Tôhoku Univ. (4) Biol. **16** 4 1941 pp. 383–390 text-figs.

257.—Umbgrove, J. H. F. Corals from the Putjangan beds (lower Pleistocene) of Java. J. Paleont. **24** 6 1950 pp. 637–651 pls. 81–84 text-figs.

258.—[Ushakov, P. V.] [The abyssal fauna of the Okhotsk Sea.] C.R. Acad. Sci. Moscou N.S. **71** 5 1950 pp. 971–974. [Russian only.]

259.—Ussing, H. Fra Randers Fjord og Kattegat. (Biologiske og faunistiske Bidrag). Vidensk. Medd. Dansk naturh. Foren. **104** 1941 pp. 77–86 text-figs.

260.—Vannucci, M. Hydrozoa do Brasil. Bol. Fac. Filos. Cien. Let. Univ. S. Paulo Zool. **14** 1949 pp. 219–265 pls. 1–3.

261.—[**Vasileva,** O. D.] [Vegetative and sexual hybridization in *Hydra.*] Ann. Univ. Sofia Sci. nat. **50** 1950 pp. 137–165 text-figs. [Bulgarian, with Russian summary.]

262.—**Vervoort,** W. Notes on a small Collection of Hydroids from Jersey (Channel Islands). Zool. Meded. Leiden **30** 11 1949 pp. 133–162 text-figs.

263.—**Vibe,** C. The marine mammals and the marine fauna in the Thule district (Northwest Greenland) with observations on ice conditions in 1939–41. Medd. Grønland **150** 6 1950 pp. 1–116 text-figs. tables. [Coelenterates, pp. 88, 93.]

264.—**Wang,** H. C. A revision of the Zoantharia Rugosa in the light of their minute skeletal structures. Philos. Trans. London **234B** 611 1950 pp. 175–246 pls. 4–9 text-figs.

265.—**Waring,** W. W. & **Layer,** D. B. Devonian Dolomitized Reef, D3 Reservoir, Leduc Field, Alberta, Canada. Bull. Amer. Assoc. Petrol. Geol. **34** 2 1950 pp. 295–312 text-figs. 1 table.

266.—**Warren,** P. S. & **Stelck,** C. R. Succession of Devonian Faunas in Western Canada. Trans. roy. Soc. Can. (3) **44** 4 1950 pp. 61–78 text-fig.

267.—**Weill,** R. Sur les *Craspedacusta* (Méduses dulcaquicoles) du Dropt et un problème de leur sexualité. Bull. Soc. zool. Fr. **74** 1949 (1950) pp. 349–350.

268.—**Wells,** D. Lower Middle Mississippian of Southeastern West Virginia. Bull. Amer. Assoc. Petrol. Geol. **34** 5 1950 pp. 882–922 text-figs. 2 tables.

269.—**Wells,** J. W. Reef Corals from Cocos-Keeling Atoll. Bull. Raffles Mus. Singapore No. 22 1950 pp. 29–52 pls. 9–14.

Wells, J. W. *vide* Ladd, H. S.

270.—**Werner,** B. Weitere Beobachtungen über das Auftreten der Meduse *Gonionemus murbachi* Mayer im Sylter Wattenmeer und ihre Entwicklungsgeschichte. Herre Verh. Deuts. Zoologen in Mainz **1949** Leipzig (Geest & Portig) 1950 pp. 138–151 text-figs.

271.—**Werner,** B. Die Meduse *Gonionemus murbachi* Mayer im Sylter Wattenmeer. Zool. Jahrb. Jena (Syst.) **78** 1950 pp. 471–505 text-figs.

272.—**Westoll,** T. S. Some aspects of growth studies in fossils. Proc. roy. Soc. London **137B** 889 1950 pp. 490–509 text-figs.

273.—**Whitten,** H. L., **Rosene,** H. F. & **Hedpeth,** J. W. The Invertebrate Fauna of Texas Coast Jetties; A Preliminary Survey. Publ. Inst. Mar. Sci. Univ. Texas **1** 2 1950 pp. 53–87 pl. 1 text-figs.

274.—**Wiedemann,** Ed. Die Haltung der Ohrenqualle, *Aurelia aurita* L., in künstlichem Seewasser. Zool. Gart. Leipzig **16** 5 1950 pp. 186–187 fig.

275.—**Willard,** B. The Devonian of Pennsylvania: Middle and Upper Devonian. Bull. Geol. Surv. Pennsylvania **G19** 1939 pp. 1–28, 131–481 pls. 1–32 text-figs. [Coelenterata, pls. 10, 15.]

Williams, R. H. *vide* Smith, F. G. W.

276.—**Wilson,** W. B. Reef Definition. Bull. Amer. Assoc. Petrol. Geol. **34** 2 1950 p. 181.

277.—**Wittmann,** O. Zur Stratigraphie des Doggers längs der Rheintalflexur bei Lörrach und am Röttler Schloss. Ber. naturf. Ges. Freiburg **39** 1949 pp. 149–195 text-figs.

Wood, E. J. F. *vide* Allen, F. E.

278.—**Yabe,** H. & **Eguchi,** M. Fossil and Recent *Flabellum* from Japan. Sci. Rep. Tôhoku Imp. Univ. **22** 2 1942 pp. 87–103 pls. 5–8.

279.—**Yabe,** H. & **Eguchi,** M. Fossil and Recent Simple Corals from Japan. Sci. Rep. Tôhoku Imp. Univ. **22** 2 1942 pp. 105–178 pls. 9–12.

280.—**Yabe,** H. & **Sugiyama,** T. Recent reef-building corals from Japan and the South Sea Islands under the Japanese mandate. II. Sci. Rep. Tôkohu Imp. Univ. ser. 2 Geol. Special Vol. **2** 1941 pp. 67–91 45 pls. [not seen].

281.—**Yamada,** M. The Fauna of Akkeshi Bay. XVII. Hydroids. J. Fac. Sci. Hokkaido Univ. (Zool.) Ser. 6 **10** 1950 pp. 1–20 pl. 1.

Yamazi, I. *vide* Komai, T.

Yang, Ch'i *vide* Ch'i, Yang.

282.—[**Yashnov,** V. A.] Hydromedusae, pp. 65–74; Siphonophora, pp. 74–75; Scyphozoa, pp. 75–77; Anthozoa, pp. 77–86; Ctenophora, pp. 86–88. *In* N. S. Gaevskoy, Check List of the Fauna and Flora of the Northern Seas of the U.S.S.R. **1948** pls. 18–25. Moscow. [In Russian.]

Zapfe, H. *vide* Mann, G.

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†*Heterastridium* sp. p. 27 fig., KUHN **144**.—*H.* p. A57, *monticularium* p. A57 fig., KÜHN **145**.

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†*Hydractinia* p. A26, KÜHN **145**.

Hydrallmania falcata p. 506, KRAMP **139**.—*H. falcata* p. 155, VERVOORT **262**.

Hydrichthys pacificus **sp. n.** p. 153 fig. Japan, MIYASHITA Annot. zool. jap. **20** 3 1941.

†*Hydroconophora* p. A27, KÜHN **145**.

†*Hydrocorella* p. A26, KÜHN **145**.

†*Hydrokerion* p. A27, KÜHN **145**.

†*Idiostroma* p. A52, *oculatum* p. A53 fig., KÜHN **145**.

†*Irregulatopora* p. A48, *undulata* p. A49 fig., KÜHN **145**.

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†*Jillua* p. A46, *tubifera* p. A47 fig., KÜHN **145**.

†*Kentlandia* p. A54, KÜHN **145**.

†*Kerunia* p. A26, *cornuta* p. A26 fig., KÜHN **145**.

Kirchenpaueria mirabilis p. 50 fig., *producta* p. 51 fig., HODGSON **113**.—*K. pinnata* p. 507 fig., KRAMP **139**.—*K. pinnata* p. 146, VERVOORT **262**.

†*Kitakamiia* **gen. n.** (fam. Labechiidae) p. 112, genotype (by original designation) *mirabilis* p. 113 fig. Silurian Japan, SUGIYAMA Sci. Rep. Tôhoku Imp. Univ. **21** 2 1940.

†*Labechia* p. A51, *conferta* p. A51 fig., *L.* (*Labechiella*) *serotina* p. A51 fig., KÜHN **145**.—*L.* p. 111, sp. ind. p. 111 fig., SUGIYAMA **240**.

†*Labechiella* subgenus of *Labechia* p. A51, *serotina* p. A50 fig., KÜHN **145**.—*L.* Sugiyama *non* Yabe & Sugiyama re-named *Labechiellata* on Errata slip, SUGIYAMA **240**.

†*Labechiellata* **nom. n.** on Errata slip *pro Labechiella* Sugiyama *non* Yabe & Sugiyama, *regularis* p. 112 fig., SUGIYAMA Sci. Rep. Tôhoku Imp. Univ. **21** 2 1940.

†*Labiopora* p. A32, *lobata* p. A32 fig., KÜHN **145**.

Lafoëa fruticosa p. 11, HODGSON **113**.—*L. dumosa* p. 295, *gracillima* p. 295, RICKETTS & CALVIN **199**.—*L. fruticosa* forma *pocillum* p. 148, VERVOORT **262**.

Lafoëina vilae-velebiti **sp. n.** p. 27 fig. Adriatic, HADŽI Prirod. Istraž. mat. prir. Razred. **11–12** 1917.

Laomedea flexuosa p. 505 fig., KRAMP **139**.—*L. pelagica* p. 157, *longissima dichotoma*, *geniculata* p. 158, *flexuosa angulata* p. 159, *loveni* p. 160, VERVOORT **262**.

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†*Lithopora* p. A47, *koeneni* p. A47 fig., KÜHN **145**.

†*Lophiostroma* p. A51, *granulatum* p. A51 fig., KÜHN **145**.

†*Ludictyon* p. A55, KÜHN **145**.

? Lytocarpus sp. p. 8 fig., GRAVELY **96**.

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†*Madigania* **gen. n.** p. 93, genotype (by original designation) *annulata* **sp. n.** p. 94 fig. Cambrian S. Australia, SPRIGG Trans. roy. Soc. S. Aust. **73** 1 1949.

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†*Medusina radiata* and *favosa* may be *Hydromedusites* (*q.v.*) p. A105, KIESLINGER **129**.—*M. mawsoni* p. 89 fig., *asteroides* p. 90 fig., *filamentus* p. 90 fig., **spp. n.** Cambrian S. Australia, *radiata* p. 89 fig., SPRIGG Trans. roy. Soc. S. Aust. **73** 1 1949.—See also Scyphozoa.

Melicertum octocostatum p. 72 fig., [YASHNOV] **282**.

†*Mesokylix* p. A36, *hydra* p. A35 fig., KÜHN **145**.

†*Millarella* p. A61, *cantabrigensis* a doubtful hydrozoan p. A61, KÜHN **145**.

†*Milleaster* p. A28, *incrustans* p. A28 fig., KÜHN **145**.

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Proc. zool. Soc. London **119** 1949.—*M. alcicornis* p. 50 fig., *platyphylla* p. 50 fig., *murrayi* p. 52 fig., *tenera* p. 54 fig., BOSCHMA **36**.—*M. platyphylla, tenella* p. 51, WELLS **269**.

†*Millepora* p. A28, *parva* p. A28 fig., *reussi* p. A28 fig., KÜHN **145**.

†*Milleporella* p. A47, KÜHN **145**.

†*Milleporidium* sp. p. 27 fig., KUHN **144**.—*M.* p. A34, *remesi* p. A34 fig., *steinmanni* p. A34 fig., KÜHN **145**.

†*Millestroma* a polyzoan p. A61, KÜHN **145**.

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†*Myriopora verbeeki* the type of *Myrioporina* p. A34, KÜHN **145**.

†*Myrioporina* **gen. n.** (fam. Milleporidiidae) p. A34, type species (by author's designation) *Myriopora verbeeki* p. A34 fig., KÜHN Handb. Paläozool. **2A** 5 1939.

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†*Palassopora* p. A32, KÜHN **145**.

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†*Parallelopora* p. A45, *dartingtonensis* p. A45 fig., KÜHN **145**.

†*Parapsonema* p. A104, *cryptophya* p. A104 fig., KIESLINGER **129**.

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†*Parastroma* a rudist lamellibranch p. A61, KÜHN **145**.

†*Parastromatopora* p. A45, KÜHN **145**.

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†*Parkeria* p. A58, *sphaerica* p. A58 fig., KÜHN **145**.

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†*Polytremacis macrostoma* p. 27 fig., KUHN **144.**

†*Poractinia* p. A27, *circumvestiens* p. A27 fig., KÜHN **145.**

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†*Protodipleurosoma* **gen. n.** p. 79, genotype (by monotypy) *wardi* **sp. n.** p. 79 fig. Cambrian South Australia, SPRIGG Trans. roy. Soc. S. Aust. **73** 1 1949.

†*Protoniobia* **gen. n.** p. 77, genotype (by original designation) *wadea* **sp. n.** p. 77 fig. Cambrian Western Australia, SPRIGG Trans. roy. Soc. S. Aust. **73** 1 1949.

Psammohydra **gen. n.** p. 133, genotype (by original designation) *nanna* **sp. n.** p. 133 fig. Germany, SCHULZ Kiel. Meeresforsch. **7** 2 1950.

†*Pseudolabechia* p. A42, KÜHN **145.**

†*Pseudostromatopora* not a coelenterate but a Polyzoan p. A45, KÜHN **145.**

†*Pseudostylodictyon* p. A43, KÜHN **145.**

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†*Rosenella* p. A51, *macrocystis* p. A52 fig., KÜHN **145.**

†*Roseoporella* a doubtful hydrozoan p. A61, KÜHN **145.**

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†*Sphaeractinia* p. A55, *diceratina* p. A56 fig., KÜHN **145**.

†*Sphaerostroma* p. A53, *exiguum* p. A53 fig., KÜHN **145**.

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†*Sporadopora* p. A33, *faxensis* p. A33 fig., KÜHN **145**.

†*Stachyodes* p. A52, *verticillata* p. A52 fig., KÜHN **145**.

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†*Stictostroma* a synonym of *Stromatoporella* p. A45, KÜHN **145**.—*S.* discussed p. 517, *mamillatum* p. 515 fig., *eriense* p. 517 fig., LE MAÎTRE **155**.

†*Stoliczkaria* p. A57, *granulata* p. A57 fig., KÜHN **145**.

†*Stoliczkiella* a doubtful hydrozoan p. A62, KÜHN **145**.

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†*Stromatocerium* p. A52, *rugosum* p. A52 fig., KÜHN **145**.

†*Stromatomorpha* p. A60, *stylifera* p. A60 fig., KÜHN **145**.

†*Stromatopora typica* p. 27 fig., KUHN **144**.—*S.* p. A44, *concentrica* pp. A37, A38, A45 fig., KÜHN **145**.—*S. ischyrum* **sp. n.** p. 523 fig. Devonian Morocco, LE MAÎTRE Bull. Soc. géol. Fr. 5 **19** 7–8 1949.—*S. rugosa* p. 236 fig., MELÉNDEZ **168**.—*S.* p. 113, *canaliculata* p. 113 fig., SUGIYAMA **240**.

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†*Stromatoporellata* p. A47, KÜHN **145**.

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†*Stylaster* p. A30, KÜHN **145**.

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†*Trupetostroma* p. A44, *warreni* p. A44 fig., KÜHN **145**.—*T.* discussed p. 519, *macrostylum* **sp. n.** p. 519 fig. Devonian Morocco, LE MAÎTRE Bull. Soc. géol. Fr. 5 **19** 7–8 1949.

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†GRAPTOLITHINA

Acanthograptus sinensis **sp. n.** p. 13 fig., var. *fenhsiangensis* **var. n.** p. 14 fig., var. *ituensis* **var. n.** p. 14 fig., *macilentus* **sp. n.** p. 15 fig., *bifurcus* **sp. n.** p. 16 fig., *erectoramosus* **sp. n.** p. 17 fig., *flexiramiatus* **sp. n.** p. 17 fig., *rigidus* **sp. n.** p. 18 fig., Tremadoc China, HSÜ Contr. Nat. Research Inst. Geol. Acad. Sinica **8** 1948.—*A. czarnockii* **sp. n.** p. 137 fig. Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.

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Anisograptidae **fam. n.** pp. 68, 79, BULMAN Quart. J. Geol. Soc. London **106** 1 1950.

Anisograptus discussed p. 79, *matanensis* p. 80 fig., var. *tetragraptoides* **var. n.** p. 83 fig. Tremadocian Canada, *flexuosus* p. 84 fig., *richardsoni* p. 85 fig., BULMAN Quart. J. Geol. Soc. London **106** 1 1950.

Bithecocamara **gen. n.** p. 176 fig., genotype (by original designation) *gladiator* p. 176 fig., *vermicollis* p. 178 fig., *platicellata* p. 179 fig., *B. ? sinuaticellata* p. 180 fig., *tubicellata* p. 181 fig., *misera* p. 181 fig., **spp. n.** Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.

Bryograptus patens p. 90 fig., BULMAN 45.

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Calyptograptus discussed p. 570, BULMAN **48**.

Camaroidea **ord. n.** p. 170, C. incert. sed. pp. 189–191 fig., KOZLOWSKI Palaeont. Polonica **3** 1948.

Climacograptus lorrainensis p. 1907 fig., *typicalis* mut. *posterus* p. 1907 fig., DECKER **69**.—*C. antiquus* p. 2223 fig., *scharenbergi* p. 2223 fig., *typicalis* p. 2223

fig., DECKER **70**.—*C. remigatus* p. 293 fig., HUNDT **119**.—*C. parvus* p. 28 fig., KUHN **144**.—*C. bifidus* subsp. *bueyensis* **subsp. n.** p. 64 Ordovician Argentina, RUSCONI Rev. Mus. Hist. nat. Mendoza **4** 3–4 1950.—*C. bifidus* p. 141 fig., subsp. *bueyensis* p. 142 fig., *lasherensis* p. 144 fig., *dualis* p. 146 fig., *rectispinus* p. 146 fig., RUSCONI **206**.

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Conitubus **gen. n.** (fam. Idiotubidae) p. 159, genotype (by original designation) *siculoides* **sp. n.** p. 159 fig. Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.

Cryptograptus tricornis p. 1907 fig., DECKER **69**.—*C. lasherensis* **sp. n.** p. 65 Ordovician Argentina, RUSCONI Rev. Mus. Hist. nat. Mendoza **4** 3–4 1950.—*C. crassispinus* p. 153 fig., *trispinatus* p. 154 fig., *lasherensis* p. 156 fig., RUSCONI **206**.

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Dendrograptus regularis p. 113 fig., *longithecalis* p. 114 fig., *communis* p. 115 fig., *cofeatus* p. 120 fig., **spp. n.** Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.

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Desmograptus ? ruedemanni **sp. n.** p. 132 fig. Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.—*? D. australis* p. 115 fig., *D. acuminatus* p. 117 fig., RUSCONI **206**.

Dicellograptus gurleyi p. 2223 fig., var. *exilis* p. 2223 fig., DECKER **70**.

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Dicranograptus cf. *furcatus* p. 1904 fig., DECKER **69**.—*D. ramosus* p. 245 fig., MELÉNDEZ **168**.—*D. bueyensis* **sp. n** p. 63 Ordovician Argentina, RUSCONI Rev. Mus. Hist. nat. Mendoza **4** 3–4 1950.—*D. huarpensis* p. 128 fig., *bueyensis* p. 130 fig. [both as *Dichograptus* (*sic*) in fig.], RUSCONI **206**.

Dictyonema discussed p. 71, *canadense* p. 72 fig., *clarki* **sp. n.** p. 73 fig., *cristatum* **sp. n.** p. 74 fig., *cyathiforme* **sp. n.** p. 75 fig., *lapworthi* **sp. n.** p. 75 fig., *rusticum* **sp. n.** p. 77 fig., Tremadocian Canada, BULMAN Quart. J. Geol. Soc. London **106** 1 1950.—*D. flabelliforme* var. *anglica* p. 351 fig., BULMAN **47**.—*D. asiatica* **sp. n.** p. 11 fig. Tremadoc China, HSÜ Contr. Nat. Research Inst. Geol. Acad. Sinica **8** 1948.—*D. longilingue* **sp. n.** p. 125 fig., *wysoczkianum* **sp. n.** p. 129 fig., var. *macrothecale* **var. n.** p. 131 fig., *rectithecale* **sp. n.** p. 131 fig., Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.—*D. cavernosum* p. 29 fig., KUHN **144**.—*D. retiformis* p. 249 fig., MELÉNDEZ **168**.

Didymograptus primigenius **sp. n.** p. 93 fig. Tremadocian Canada, BULMAN Quart. J. Geol. Soc. London **106** 1 1950.—*D. callotheca* p. 390 fig., cf. *decens* p. 392 fig., aff. *minutus* p. 392 fig., cf. *filiformis* p. 394 fig., BULMAN **49**.—*D. dentatus* p. 29 fig., *bifidus* p. 32 fig., KUHN **144**.—*D. murchisoni* p. 242 fig., *hirudo* [*sic*] p. 243 fig., MELÉNDEZ **168**.—*? D. corralensis* **sp. n.** p. 123 (fig. on p. 154) Ordovician Argentina, RUSCONI Rev. Mus. Hist. nat. Mendoza **4** 3–4 1950.—*D. murchisoni* p. 34 fig., SCHINDEWOLF **215**.

Dimorphograptus incisis p. 34 fig., HEMMANN **108**.

Diplograptus (*Orthograptus*) *nexus* p. 1904 fig., *rugosus* var. *apiculatus* p. 1905 fig., *D.* (*Glyptograptus*) *euglyphus* p. 1905 fig., *vespertinus* p. 1905 fig., *D.* (*Amplexograptus*) *amplexicaulis* p. 1905 fig., mut. *uticanus* p. 1907 fig., *macer* p. 1907 fig., *recurrens* p. 1907 fig., *D. ruedemanni* = *Lasiograptus* (*Thysanograptus*) *eucharis* p. 1908, DECKER **69**.—*D.* (*Orthograptus*) *calcaratus* var. *acutus* p. 2223 fig., *D.* (*Glyptograptus*) *teretiusculus* p. 2223 fig., *D.* (*G.*) *vespertinus* p. 2223 fig., DECKER **70**.—*D. tridens* p. 34 fig., *mutabilis* p. 34 fig., HEMMANN **108**.—*D. appendiculatus* p. 293 fig., *virgulatheca* p. 293 fig., HUNDT **119**.—*D.*

pristis p. 32 fig., KUHN **144**.—*D.* (*Petalograptus*) *palmeus* p. 247 fig., MELÉNDEZ **168**.—*D. bayensis* p. 135 fig., RUSCONI **206**.

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Epigraptus **gen. n.** p. 24, genotype (by original designation) *bidens* **sp. n.** p. 24 fig. Ordovician Esthonia, EISENACK Z. Geschiebeforsch. **17** 1 1941.

Flexicollicamara **gen. n.** p. 182, genotype (by original designation) *bryozoaeformis* **sp. n.** p. 182 fig. Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.

Galeograptus discussed p. 570, BULMAN **48**.

Genus *? chaetoides* p. 395 fig., BULMAN **49**.

Gladiolites suppressed p. 379, OPINION **3**.

Glossograptus ciliatus p. 1907 fig., *quadrimucronatus* p. 1908 fig., var. *cornutus* p. 1908 fig., var. (also as mut.) *inequispinosus* p. 1908 fig., mut. *lorrainensis* p. 1908 fig., DECKER **69**.—*? G. incertus* p. 148 fig., *G. spinosus* p. 149 fig., *simplispinus* p. 149 fig., *interspinosus* p. 150 fig., *bispinus* p. 151 fig., *paraspinus* p. 151 fig., *minutus* p. 152 fig., *alfaensis* p. 152 fig., *crassispinus* a sp. of *Cryptograptus* p. 153 fig., RUSCONI **206**.

Glyptograptus cuyunchensis p. 64, *socorrensis* p. 64, **spp. n.** Ordovician Argentina, RUSCONI Rev. Mus. Hist. nat. Mendoza **4** 3–4 1950.—*G. cuyanensis* p. 135 fig., *asperoensis* p. 137 fig., *cuyunchensis* p. 138 fig., *socorrensis* p. 139 fig., RUSCONI **206**.—*G. teretiusculus* p. 34 fig., SCHINDEWOLF **215**.—*G.* see also *Diplograptus*.

Goniograptus thureaui p. 29 fig., KUHN **144**.—*G. thureaui* var. *postremus* p. 34 fig., SCHINDEWOLF **215**

Graptocamara **gen. n.** p. 187, genotype (by original designation) *hyperlinguata* **sp. n.** p. 187 fig. Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.

Graptolites considered to be Pterobranchia p. 65, KOZLOWSKI **137**.—Graptolites (biserial) united to a pneumatophore p. 83, SAMPELAYO **209**.

Graptolithus, scalaris suppressed p. 377, OPINION **1**.

Idiotubidae **fam. n.** p. 144, KOZLOWSKI Palaeont. Polonica **3** 1948.

Idiotubis **gen. n.** (fam. Idiotubidae) p. 144, genotype (by original designation) *typicalis* p. 146 fig., *rectus* p. 147 fig., *linguatus* p. 148 fig., *bilinguis* p. 149 fig., *tubilinguis* p. 149 fig., *hyperlinguatus* p. 150 fig., *crassus* p. 150 fig., **spp. n.** Tremadoc Poland, sp. A p. 152 fig., sp. B p. 152 fig., sp. C p. 152 fig., sp. D p. 153 fig., sp. E p. 153 fig., KOZLOWSKI Palaeont. Polonica **3** 1948.

Janograptus alfaensis p. 120 fig., *simplicidentatus* p. 121 fig., *australis* p. 122 fig., *bueyensis* p. 122 fig., RUSCONI **206**.

Lasiograptus (*Thysanograptus*) *eucharis* p. 1908 fig. = *Diplograptus ruedemanni* p. 1908, DECKER **69**.

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Mendograptus inversus p. 140 fig., RUSCONI **206**.

Monograptus validated, type *priodon* p. 378, OPINION **2**.—*M. vomerinus* p. 114 fig., *flemingii* var. *primus* p. 114 fig., HAO **104**.—*M. priodon* p. 293 fig., *microcystifer* p. 293 fig., *turriculatus* var. *fimbriatus* p. 293 fig., HUNDT **119**.—*M. nilssoni* p. 29 fig., *turriculatus* p. 29 fig., *colonus* p. 29 fig., *priodon* pp. 29, 32 fig., *dubius* p. 29 fig., KUHN **144**.—*M. pandus* pl. 7 fig., *lobiferus* p. 246 fig., *convolutus* p. 246 fig., MELÉNDEZ **168**.—*M. bayensis* p. 158 fig., RUSCONI **206**.—*M. dubius* p. 34 fig., SCHINDEWOLF **215**.

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Orthograptus gracilis schematic p. 34 fig., SCHINDEWOLF **215**.—*O.* see also *Diplograptus*.

Parademicystograptus [*?* **gen. n.**] p. 293 fig., HUNDT **119**.

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Petalolithus palmeus p. 293 fig., *diplocystifer* p. 293 fig., HUNDT **119**.

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Plegmatograptus cystifer p. 293 fig., *obesus* p. 293 fig., HUNDT **119.**

Pterograptus longissimus p. 123 fig., RUSCONI **206.**

Radiograptus **gen. n.** (fam. Anisograptidae) p. 89, genotype (by original designation) *rosieranus* **sp. n.** p. 89 fig. Tremadocian Canada, BULMAN Quart. J. Geol. Soc. London **106** 1 1950.

Rastrites peregrinus p. 246 fig., MELÉNDEZ **168.**

Retiolites validated, type *geinitzianus* p. 379, OPINION **3.**—*R. geinitzianus* p. 32 fig., KUHN **144.**—*R. geinitzianus* p. 248 fig., MELÉNDEZ **168.**

Rhipidodendrum **gen. n.** p. 133, genotype (by original designation) *samsonowiczi* **sp. n.** p. 133 fig. Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.

Rodonograptus discussed p. 570, BULMAN **48.**

Ruedemannograptus **nom. n.** *pro Streptograptus* Ruedemann *non* Yin p. 545, TERMIER & TERMIER C.R. **13e** Congr. int. Zool. Paris 1948 [1949].

Staurograptus discussed p. 91, *dichotomus* var. *apertus* p. 91 fig., BULMAN **45.**

Stolonodendrum **gen. n.** p. 194, genotype (by original designation) *uniramosum* p. 194 fig., *parasiticum* p. 195 fig., **spp. n.** Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.

Stolonoidea **ord. n.** p. 191, KOZLOWSKI Palaeont. Polonica **3** 1948.

Tetragraptus fruticosus p. 29 fig., KUHN **144.**—*T. brynoides* p. 243 fig., MELÉNDEZ **168.**—*T. bueyensis* p. 118, RUSCONI **206.**

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Tubicamara **gen. n.** p. 188, genotype (by original designation) *coriacea* **sp. n.** p. 188 fig. Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.

Tubidendridae **fam. n.** p. 160, KOZLOWSKI Palaeont. Polonica **3** 1948.

Tubidendrum **gen. n.** (fam. Tubidendridae) p. 160, genotype (by original designation) *bulmani* **sp. n.** p. 160 fig. Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.

Tuboidea **ord. n.** p. 140, T. ? incert. sed. pp. 168, 169 fig., KOZLOWSKI Palaeont. Polonica **3** 1948.

SCYPHOZOA

†*Acraspedites antiquus* p. A103 fig., KIESLINGER **129.**

Acromitus flagellatus p. 12 fig., GRAVELY **96.**

†*Actinophyllum* p. A100, *plicatum* p. A100 fig., *spinosum* p. A100, KIESLINGER **129.**

†*Aequorfossa farnesinae* p. A106 fig., KIESLINGER **129.**

Aurelia aurita p. 68, KÄNDLER **126.**—*A. aurita* p. 510 fig., KRAMP **139.**—*A. aurita* p. 142 fig., MACGINITIE & MACGINITIE **164.**—*A. aurita* pl. 8, SCHÖNMANN **217.**—*A. aurita* p. 76 fig., [YASHNOV] **282.**

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†*Camptostroma* p. A89, *roddyi* p. A89 fig., *resseri* pp. A90, A99, KIESLINGER **129.**

†*Cannostomites* p. A90, *multicirratus* p. A90 fig., KIESLINGER **129.**

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†*Cyclomedusa* see Hydrozoa.

†*Dactyloidites* p. A97, *asteroides* p. A97 fig., KIESLINGER **129.**

Dactylometra quinquecirra pl. 8, SCHÖNMANN **217.**

†*Dickinsonia* see Hydrozoa.

Drymonema dalmatina p. 437 fig., STIASNY **233.**

†*Ediacaria flindersi* p. 83 fig., SPRIGG **229.**

Ephyra p. 510 fig., KRAMP **139.**

†*Ephyropsites jurassicus* = *Rhizostomites admirandus* pp. A87, A93, A95 fig., KIESLINGER **129.**

†*Epiphyllina* **gen. n.** (fam. Periphyllidae) (= *Paraphyllites* Maas *non* Hyatt) p. A86, type by original designation *P. distincta* p. A86 fig. Jurassic Germany, KIESLINGER Handb. Paläozool. **2A** 5 1939.

†*Eulithota* p. A91, *fasciculata* p. A91 fig., KIESLINGER **129.**

Haliclystus octoradiatus p. 513 fig., KRAMP **139.**—*H. stejnegeri* p. 195 fig., RICKETTS & CALVIN **199.**—*H. octoradiatus* p. 77 fig., [YASHNOV] **282.**—*H. stejnegeri* p. 120 fig., MACGINITIE & MACGINITIE **164.**

†*Hexarhizites insignis* a synonym of *Rhizostomites admirandus* p. A95, KIESLINGER **129.**—*H. insignis* p. 87 fig., SPRIGG **229.**

†*Laotira* p. A97, *cambria* pp. A74, A97 fig., *silurica* p. A97, *L.* (*?*) sp. p. A97, KIESLINGER **129.**

†*Leptobrachites trigonobrachius* pp. A80, A109 fig., KIESLINGER **129.**

†*Lorenzinia* p. A87, *apenninica* p. A88 fig., *carpathica* p. A88 fig., *kulczinskii* p. A88 fig., *L.* (*Bassaenia*) p. A88, *L.* (*B.*) *moreae* p. A88 fig., *L.* (*Atollites*) p. A88, *L.* (*A.*) *zitteli* p. A89 fig., *L.* (*A.*) *minor* p. A89, but *L.* sp. is a fish p. A107 fig., KIESLINGER **129.**

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†*Madigania* see Hydrozoa.

†*Medusa* un-named p. 252 fig., MELÉNDEZ **168.**

†*Medusina eisfeldensis* **sp. n.** p. 338 fig. Triassic Germany, ADAM N. Jahrb. Geol. Paläont. Stuttgart Monatsh. **11** 1950.—*M. costata* pp. A82, A99 fig., *quadrata* p. A85 fig., *geryonides* pp. A90, A102 fig., *reiflingensis* p. A93, *boulengeri* p. A94 fig., *bicincta* p. A98 fig., *circularis* p. A98, *porpitina* p. A98, *staurophora* p. A99 fig., *atava* p. A99, *bohemica* p. A99, *lindstroemi* p. A99, *princeps* p. A99 fig., *radiata* pp. A99, A100, *liasica* p. A102, *deperdita* p. A102 fig., *latilobata* p. A103, KIESLINGER **129.**—*M.* see Hydrozoa.

†*Medusites latilobatus* p. A102, *cretaceus*, *helgolandicus* p. A106, *capillaris*, *arcuatus* p. A107, KIESLINGER **129.**—*M. costata* p. 252 fig., MELÉNDEZ **168.**

†*Myogramma speciosum* and *speciosissimum* synonymous with *Rhizostomites admirandus* p. A92, A95 fig., KIESLINGER **129.**

Nausithoe punctata p. A86 fig., KIESLINGER **129.**

†*Palaeosemaeostoma* pp. A90, A101, *geryonides* p. A102 fig., KIESLINGER **129.**

†*Paramedusium africanum* p. A107 fig., KIESLINGER **129.**

†*Paraphyllites* Maas *non* Hyatt renamed *Epiphyllina* p. A86, KIESLINGER **129.**

Pelagia sp. p. 122 fig., MACGINITIE & MACGINITIE **164.**

†*Pelagiopsis leuckarti* or *trigonobrachia* = *Leptobrachites trigonobrachius* p. A109, KIESLINGER **129.**

†*Peytoia* p. A100, *nathorsti* p. A101 fig., KIESLINGER **129.**

Pilema sp. p. A72 fig., KIESLINGER **129.**

†*Plectodiscus molestus* p. A107, KIESLINGER **129.**

†Problematical form p. A102 fig., KIESLINGER **129.**

†*Pseudorhizostomites* [*?* **gen. n.**] p. 87, *howchini* **sp. n.** p. 87 fig. Cambrian South Australia, sp. p. 87 fig., SPRIGG Trans. roy. Soc. S. Aust. **73** 1 1949.

†*Pseudorhopilema* **gen. n.** p. 88, genotype (by monotypy) *chapmani* **sp. n.** p. 88 fig., Cambrian South Australia, SPRIGG Trans. roy. Soc. S. Aust. **73** 1 1949.

Rhizostoma pulmo p. 512 fig., KRAMP **139.**

†*Rhizostomites* discussed p. A92, *admirandus* pp. A92–A95 fig., synonymous with *lithographicus* p. A95, *Myogramma speciosum* p. A95 fig., *Ephyropsites jurassicus* pp. A87, A93, A95, and with *Hexarhizites insignis* p. A95, *R.* (*Medusina*) *reiflingensis* p. A93, KIESLINGER **129.**—*R. lithographicus* p. 252 fig., MELÉNDEZ **168.**—*R. lithographicus* p. 87 fig., *amirandus* p. 87 fig., SPRIGG **229.**

Rhopilema verrillii p. 87 fig., SPRIGG **229.**

Scyphistoma p. 510 fig., KRAMP **139.**

†*Semaeostomites* p. A90, *zitteli* p. A91 fig., KIESLINGER **129.**

†*Solnhofenistomites stechowi* is a synonym of *Eulithota fasciculata* p. A91, KIESLINGER **129**.

Strobila p. 510 fig., KRAMP **139**.

†*Tateana* **gen. n.** p. 86, genotype (by original designation) *inflata* **sp. n.** p. 86 fig. Cambrian S. Australia, SPRIGG Trans. roy. Soc. S. Aust. **73** 1 1949.

†*Trianisites cliffordi* p. A107, KIESLINGER **129**.

ANTHOZOA

ALCYONARIA

Acalycigorgia discussed p. 129, *irregularis, radians, densiflora, grandiflora, inermis, wireni* p. 129, *sibogae* **sp. n.** p. 129 Dutch East Indies, STIASNY Zool. Anz. Leipzig **141** 1943.

Acanthogorgia discussed p. 194, STIASNY **235**.—*A. armata ?* p. 37, STIASNY **236**.—*A.* discussed p. 129, STIASNY **237**.

Acanthogorgiidae discussed p. 127, STIASNY **237**.

Ainigmaptilon edisto **sp. n.** p. 296 fig. Antarctic, BAYER J. Wash. Acad. Sci. **40** 9 1950.

Alcyonium digitatum p. 515 fig., KRAMP **139**.—*A. palmatum* p. 11, STIASNY **236**.—*A. australe* a sp. of *Lobularia* p. 249 fig., TIXIER-DURIVAULT **251**.

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†*Adelocaenia* discussed p 701, *heberti* p. 701 fig., *castellum* p. 701 fig., ALLOITEAU **9**.

Agaricia agaricites p. 76 fig., *fragilis*, *nobilis* p. 77, SMITH **227**.

†*Allotropiophyllum smithi* **sp. n.** p. 26 fig. ? Carboniferous Iranian Baluchistan, DOUGLAS Palaeont. indica N.S. **22** 7 1950.—*A.* a synonym of *Menophyllum* p. 204, WANG **264**.

†*Amphiastraea valoniensis* p. 105 fig., ALLOITEAU **10**.

†*Amplexicarinia* diagnosed p. 209, WANG **264**.—See also *Amplexocarinia*.

†Amplexinae p. 206, WANG **264**.

†*Amplexi-Zaphrentis* a synonym of *Zaphrentoides* p. 204, WANG **264**.

†*Amplexocarinia jonkeri* p. 27 fig., SCHINDEWOLF **213**.—See also *Amplexicarinia*.

†*Amplexoides* **gen. n.** (fam. Zaphrentoididae) p. 206, genotype (by original designation) *Amplexus appendiculatus* p. 206, WANG Philos. Trans. London **234B** 611 1950.

†*Amplexus brownsportensis* **sp. n.** p. 106 fig. Silurian Tennessee, *shumardi* p. 107, AMSDEN Bull. Peabody Mus. **5** 1949.—*A.* sp. (b) Ozaki a sp. of *Tryplasma* p. 121, SUGIYAMA **240**.—*A.* diagnosed p. 206, *coralloides* p. 240 fig., *appendiculatus* the type sp. of *Amplexoides* p. 206, WANG **264**.—*A. hamiltoniae* p. 400 fig., WILLARD **275**.

†*Amygdalophyllum* diagnosed p. 221, WANG **264**.

Anemonia sulcata p. 119 fig., FERRY **90**.—*A. sulcata* p. 328 fig., LEGHISSA **154**.

†*Anisophyllum agassizi* p. 104 fig., AMSDEN **14**.

Anthemiphyllia dentata p. 128, YABE & EGUCHI **279**.

†*Anthemiphyllia dentata* p. 128, YABE & EGUCHI **279**.

Antheopsis australiensis **sp. n.** p. 139 fig. Queensland, CARLGREN Ark. Zool. Stockholm 2 ser. **1** 1950.

Anthopleura aureo-radiata p. 123, CARLGREN **54**.—*A. krebsi* p. 74, WHITTEN, ROSENE & HEDGPETH **273**.—*A.* (*Cribrina*) *xanthogrammica* p. 118 fig., MACGINITIE & MACGINITIE **164**.

Anthothoë albocincta p. 142 fig., CARLGREN **52**.—*A. australiense* **sp. n.** p. 453 fig. Great Barrier Reef, CARLGREN Sci. Rep. Great Barrier Reef Exped. **5** 7 1950.—*A. albocincta* p. 130, CARLGREN **54**.

†*Antiguastrea magna* p. 728 fig., *jacobi* **sp. n.** p. 728 fig. Cretaceous France, ALLOITEAU Bull. Soc. géol. France 5 **18** 8–9 1948.

†*Aphrophyllum* diagnosed p. 219, WANG **264**.

†*Aphyllum* a synonym of *Tryplasma* p. 226, WANG **264**.

†*Aplosastrea* discussed p. 710, ALLOITEAU **9**.

†*Apolytophyllum* a synonym of *Endophyllum* p. 225, WANG **264**.

†*Arachnastraea* a synonym of *Lonsdaleia* p. 212, WANG **264**.

†*Arachnelasma* a subgenus of *Dibunophyllum*, diagnosed p. 211, WANG **264**.

†*Arachnophyllum pentagonum* p. 104 fig., AMSDEN **14**.—*A.* (as *Arachniophyllum*) diagnosed p. 224, WANG **264**.

†*Araeopoma* a subgenus of *Goniophyllum*, diagnosed p. 228, WANG **264**.

†*Arcophyllum* a synonym of *Mesophyllum* p. 216, WANG **264**.

†*Aspasmophyllum* possibly a synonym of *Mycophyllum* p. 228, WANG **264**.

†*Aspidiscus cristatus* p. 220 fig., MELÉNDEZ **168**.

†*Asthenophyllum* a synonym of *Petraia* p. 205, WANG **264**.

†*Astraeophyllum* a subgenus of *Eridophyllum*, diagnosed p. 223, WANG **264**.

Astrangia insignifica p. 39, RICKETTS & CALVIN **199**.—*A. solitaria* p. 91, SMITH **227**.

†"*Astrangia*" *boreas* a sp. of *Dendrosmilia* p. 1258, DURHAM **80**.

†*Astrea stellata* a sp. of *Cladangia* p. 112 fig., *irregularis* a sp. of *Favites* p. 114 fig., ALLOITEAU **10**.

Astreopora myriophthalma p. 40, WELLS **269**.—*A. elliptica, tayamai* **spp. n.** Marshall Is., YABE & SUGIYAMA Sci. Rept. Tôhoku Imp. Univ. ser. 2 Geol. Special Vol. **2** 1941 [not seen].

Astrocoenia pectinata p. 73, SMITH **227**.

†*Astrocoenia gibbosa* p. 240 fig., SCHINDEWOLF **213**.

†*Astrophyllum* a synonym of *Acanthophyllum* p. 218, WANG **264**.

†*Atelophyllum* a synonym of *Mesophyllum* p. 216, WANG **264**.

†*Aulacophyllum* diagnosed p. 216, WANG **264**.

†*Aulina* diagnosed p. 222, WANG **264**.

†*Auloclisia* a synonym of *Clisiophyllum* p. 220, WANG **264**.

†*Aulophyllum* diagnosed p. 221, WANG **264**.

†*Axinura* a synonym of *Lonsdaleia* p. 212, WANG **264**.

†*Baeophyllum* a synonym of *Rhapidophyllum* p. 227, WANG **264**.

Balanophyllia elegans p. 39 fig., RICKETTS & CALVIN **199**.—*B. gigas* p. 139, cf. *italica, ponderosa* p. 140, *affinis* p. 140 fig., cf. *cumingii* p. 141, *fistula* p. 141 fig., *rediviva* p. 142 fig., *diomedae* p. 142, cf. *hawaiensis* p. 142 fig., YABE & EGUCHI **279**.

†*Balanophyllia guidottii* p. 123 fig., ALLOITEAU **10**.—*B. oppenheimi* p. 647, UMBGROVE **257**.—*B.* cf. *cumingii* p. 141 fig., *fistula* p. 141, YABE & EGUCHI **279**.

Barabattoia **gen. n.** (fam. Montastraeidae), *mirabilis* **sp. n.** Yap Is., *goroensis* **sp. n.** New Caledonia, YABE & SUGIYAMA Sci. Rept. Tôhoku Imp. Univ. ser. 2 Geol. Special Vol. **2** 1941 [not seen].

†*Barbouria* a synonym of *Gshelia* p. 210, WANG **264**.

†*Barrandeophyllum* a synonym of *Syringaxon* p. 204, WANG **264**.

Bathyactis symmetrica p. 137, *palifera* p. 137 fig., YABE & EGUCHI **279**.

†*Bathyactis kikaiensis* p. 155 fig., YABE & EGUCHI **279**.

†*Battersbyia* [as *Battersbya* (*sic*)] a synonym of *Spongophyllum* p. 225, WANG **264**.

†*Billingsastraea* a subgenus of *Heliophyllum*, diagnosed p. 217, WANG **264**.

†*Blothrophyllum* a synonym of *Endophyllum* p. 225, WANG **264**.

†*Bordenia* a synonym of *Amplexus* p. 206, WANG **264**.

†*Bothrophyllum medvedizaensis* **sp. n.** [nom. nud.] p. 66, sp. A **sp. n.** [*sic*] p. 66, Carboniferous Russia, [SAVINOV] C.R. Acad. Sci. Moscou N.S. **69** 1 1949.—*B.* diagnosed p. 210, sp. p. 240 fig., WANG **264**.

†*Brachyseris padernensis* **sp. n.** p. 731 fig. Cretaceous Italy, ALLOITEAU Bull. Soc. géol. Fr. 5 **18** 8–9 1948.

†*Bradyphyllum* diagnosed p. 205, WANG **264**.

†*Branchastraea* discussed p. 709, ALLOITEAU **9**.

†*Briantia* a synonym of *Craterophyllum* p. 215, WANG **264**.

Bunodactis elegantissima p. 122 fig., MACGINITIE & MACGINITIE **164**.—*B. stella* p. 83 fig., [YASHNOV] **282**.

Bunodosoma grandis p. 27 fig., CARLGREN **55**.—*B. cavernata* p. 74, WHITTEN, ROSENE & HEDGPETH **273**.

†*Caenophyllum* a synonym of *Menophyllum* p. 204, WANG **264**.

†*Calceola sandalina* p. 43 fig., KUHN **144**.—*C. sandalina* p. 216 fig., MELÉNDEZ **168**.—*C.* diagnosed p. 227, WANG **264**.

Calliactis miriam p. 141 fig., CARLGREN **52**.—*C. miriam* p. 444, CARLGREN **53**.—*C. parasitica* p. 328 fig., LEGHISSA **154**.

†*Calophyllum* diagnosed p. 208, WANG **264**.

†*Calostylis* diagnosed p. 228, WANG **264**.

†'*Campophyllum*' *recessum* p. 140 fig., HILL **111**.

†*Caninia* aff. *cornucopiae* p. 21 fig., aff. *cylindrica* p. 22 fig., cf. *juddi* p. 24, DOUGLAS **77**.—*C. arundinacea* p. 166 fig., SCHINDEWOLF **213**.—*C.* diagnosed p. 209, WANG **264**.

†Caniniacea p. 207, WANG **264**.

†Caniniidae p. 209, WANG **264**.

†*Caninophyllum* a synonym of *Bothrophyllum* p. 210, WANG **264**.

†*Caninostrotion* a synonym of *Gshelia* p. 210, WANG **264**.

†*Cantrillia* diagnosed p. 227, WANG **264**.

†Carcinophyllinae p. 206, WANG **264**.

†*Carcinophyllum* diagnosed p. 206, *simplex* p. 240 fig., WANG **264**.

†*Carinthiaphyllum* a synonym of *Koninckophyllum* p. 221, WANG **264**.

†*Carniaphyllum* a synonym of *Amygdalophyllum* p. 221, WANG **264**.

†*Carruthersella* diagnosed p. 221, *compacta* p. 243 fig., WANG **264**.

Caryophyllia japonica p. 119 fig., *scobinosa* p. 119 fig., subsp. *decapali* **subsp. n.** p. 149 fig. Japan, cf. *alcocki* p. 120 fig., *paucipaliata* **sp. n.** p. 149 fig. Japan, *paraoctopali* **sp. n.** p. 150 fig. Japan, YABE & EGUCHI Sci. Rep. Tôhoku Imp. Univ. **22** 2 1942.

†*Caryophyllia truncata* p. 108 fig. and *elongata* p. 110 fig. are spp. of *Montlivaltia*, *striata* p. 123 fig. a synonym of *Balanophyllia guidottii*, ALLOITEAU **10**. —*C. paucipaliata* **sp. n.** p. 149 fig. Plio-Pleistocene Japan, *compressa* the type species of *Premocyathus* pp. 120, 151, YABE & EGUCHI Sci. Rep. Tôhoku Imp. Univ. **22** 2 1942.

†*Cassianastraea* discussed p. 710, ALLOITEAU **9**.

†*Cayugaea* a synonym of *Diplochone* p. 226, WANG **264**.

†*Ceratinella* a synonym of *Disphyllum* p. 218, WANG **264**.

†*Ceratophyllum* diagnosed p. 217, sp. pp. 242, 244 fig., WANG **264**.

Ceratotrochus hiugaensis **sp. n.** p. 146 fig. Japan, *C.* (*Conotrochus*) *funicolumna* p. 117, *parahispidus* **sp. n.** p. 147 fig. Japan, YABE & EGUCHI Sci. Rep. Tôhoku Imp. Univ. **22** 2 1942.

†*Ceratotrochus* (*Conotrochus*) *elongatus* **sp. n.** p. 148 Plio-Pleistocene Japan, YABE & EGUCHI Sci. Rep. Tôhoku Imp. Univ. **22** 2 1942.

Cerianthus aestuari p. 185, sp. p. 186, RICKETTS & CALVIN **199**.—*C. lloydi* p. 86 fig., [YASHNOV] **282**.

†*Ceriaster* a subgenus of *Stauria*, diagnosed p. 223, WANG **264**.

†*Ceriophyllum* diagnosed p. 219, *heiligensteini* p. 242 fig., *conicum* **sp. n.** p. 242 fig. Devonian Yunnan, WANG Philos. Trans. London **234B** 611 1950.

†*Cetophyllum* diagnosed p. 226, WANG **264**.

†*Charactophyllum* a subgenus of *Temeniophyllum*, diagnosed p. 219, *nanum* p. 242 fig., WANG **264**.

Charisea saxicola p. 154, RICKETTS & CALVIN **199**.

Charisella p. 430, *elongata* **sp. n.** p. 431 fig. Great Barrier Reef, CARLGREN Sci. Rep. Great Barrier Reef Exped. **5** 7 1950.

†*Chlamydophyllum* a subgenus of *Schlotheimophyllum*, diagnosed p. 214, WANG **264**.

†*Chonaxis* a synonym of *Lithostrotion* p. 222, WANG **264**.

†*Chonophyllum* diagnosed p. 214, WANG **264**.

†*Cionodendron* diagnosed p. 221, WANG **264**.

†*Cionophyllum* a subgenus of *Carruthersella*, diagnosed p. 221, WANG **264**.

†*Circophyllum* a subgenus of *Codonophyllum*, diagnosed p. 214, WANG **264**.

Cladactella manni p. 23 fig., CARLGREN **55**.

†*Cladangia stellata* p. 112 fig., ALLOITEAU **10**.

Cladocora arbuscula p. 87 fig., SMITH **227**.

†*Claviphyllum* a synonym of *Rhopalolasma* p. 208, WANG **264**.

†*Clinophyllum* a synonym of *Hapsiphyllum* p. 204, WANG **264**.

†Clisiophyllidae p. 220, WANG **264**.

†*Clisiophyllites* a synonym of *Heterocaninia* p. 210, WANG **264**.

†*Clisiophyllum* diagnosed p. 220, *keyserlingi* p. 242 fig., WANG **264**.

Cnidopus verater p. 137 fig., CARLGREN **52**.—*C. verater* p. 124, CARLGREN **54**.

†*Codonophyllum* diagnosed p. 214, *whittardi* p. 241 fig., *truncatum* p. 241 fig., WANG **264**.

†*Coelophyllum* a synonym of *Aulacophyllum* p. 216, WANG **264**.

†*Coenangia polygonalis* **sp. n.** p. 644 fig. Pleistocene Java, UMBGROVE J. Paleont. Menasha Wis. **24** 6 1950.

Colpophyllia amaranthus p. 85, *natans* p. 86 fig., SMITH **227**.

†*Columnaria* discussed p. 276, *goldfussi* a sp. of *Nyctopora* (*Proheliolites*) p. 263 fig., *parvituba* a sp. of *N.* (*? Billingsaria*) p. 263 fig., *incerta* a sp. of *Eofletcheria* p. 266 fig., *halli* p. 269 fig., *vacua* p. 269 fig., *magnifica* (= *alveolata* Rominger *non* Goldfuss) p. 270 fig. and *simplissima* p. 270 fig. are all spp. of *Foerstephyllum*, *alveolata* and varr. pp. 271–273 fig., *calicina* p. 272 fig. and *rigida* p. 273 fig. are all *Favistella*, *sulcata* p. 277 fig., BASSLER **18**.—*C.* diagnosed p. 223, *gotlandica* p. 243 fig., WANG **264**.

†Columnariidae p. 222, WANG **264**.

†Columnariinae p. 223, WANG **264**.

†*Combophyllum marianum* p. 214 fig., MELÉNDEZ **168**.

†*Conocaenia* discussed p. 702, ALLOITEAU **9**.

Conotrochus see *Ceratotrochus*.

†*Conotrochus* see †*Ceratotrochus*.

†*Convexastrea* discussed p. 701, ALLOITEAU **9**.

†*Corwenia* diagnosed p. 211, *rugosa* p. 240 fig., WANG **264**.

Corynactis australis p. 131, CARLGREN **52**.—*C.* sp. 39 fig., RICKETTS & CALVIN **199**.

†*Cosmophyllum* a synonym of *Mesophyllum* p. 216, WANG **264**.

†*Craterophyllum* Foerste diagnosed p. 215, WANG **264**.

†*Craterophyllum* Tolmakoff a synonym of *Zaphrentoides* p. 204, WANG **264**.

†*Cravenia* a synonym of *Cyathaxonella* p. 220, WANG **264**.

Cribrina elegantissima p. 30 fig., *xanthogrammica* p. 53 fig., sp. p. 153, RICKETTS & CALVIN **199**.

Cribrinopsis similis p. 83 fig., [YASHNOV] **282**.

Cricophorus nutrix p. 128, CARLGREN **54**.

†*Cryptocaenia* discussed p. 701, *carantoniana* the genotype of *Orbignycaenia* p. 723, ALLOITEAU **9**.

Cryptodendron adhaesivum p. 442 fig., CARLGREN **53**.

†*Cryptophyllum hibernicum* p. 172 fig., *caryophyllatum* p. 172 fig. are spp. of *Pentaphyllum*, SCHINDEWOLF **213**.—*C.* a synonym of *Pentaphyllum* p. 208, WANG **264**.

Culicia sp. cf. *rubeola* p. 50, WELLS **269**.—*C.* as *Culitia* [*sic*] *japonica* p. 128, YABE & EGUCHI **279**.

†*Cumminsia aplata* pl. 17, PLUMMER **191**.

†*Cyathaxonella* diagnosed p. 220, WANG **264**.

†*Cyathaxonia cornu* pp. 230, 283 fig., SCHINDEWOLF **213**.—*C. cornu* p. 188 fig., SCHINDEWOLF **215**.—*C.* diagnosed p. 205, WANG **264**.

†*Cyathocaenia* discussed p. 721, ALLOITEAU **9**.

†*Cyathocarinia* a subgenus of *Cyathaxonia*, diagnosed p. 205, WANG **264**.

Cyathoceras rubescens p. 117, *niinoi* **sp. n.** p. 145 fig. Japan, YABE & EGUCHI Sci. Rep. Tôhoku Imp. Univ. **22** 2 1942.

†*Cyathoclisia* diagnosed p. 220, WANG **264**.

†*Cyathohelia axillaris* p. 644, UMBGROVE **257**.

†*Cyathopaedium* a synonym of *Tryplasma* p. 226, WANG **264**.

†*Cyathophora* discussed p. 716, *richardi* p. 716 fig., *corbariensis* **sp. n.** p. 721 fig., *jacobi* **sp. n.** p. 722 fig., Cretaceous France, ALLOITEAU Bull. Soc. géol. Fr. 5 **18** 8–9 1948.

†*Cyathophylloides* discussed p. 274, *ulrichi* **sp. n.** p. 274 fig. Ordovician U.S.A., BASSLER Mem. Geol. Soc. Amer. Washington D.C. **44** 1950.—*C. ?* sp. ind. p. 122 fig., SUGIYAMA **240**.—*C.* a synonym of *Columnaria* p. 223, WANG **264**.

†*Cyathophyllum shumardi* a sp. of *Amplexus* p. 107 fig., *cliftonense* **sp. n.** p. 108 fig., *angulare* **sp. n.** p. 109 fig., *pegramense* p. 110 fig., Silurian Tennessee, AMSDEN Bull. Peabody Mus. **5** 1949.—*C. anticostiense* p. 42 fig., KUHN **144**.—*C. helianthoides* p. 215 fig., MELÉNDEZ **168**.—*C.* diagnosed p. 219, WANG **264**.—*C.* cf. *conatum* p. 400 fig., WILLARD **275**.

†*Cyathoseris infundibuliformis* pp. 118, 146, ALLOITEAU **10**.

†*Cyclolites polimorpha* p. 221 fig., MELÉNDEZ **168**.

†*Cycloseris sublenticularis* p. 221 fig., MELÉNDEZ **168**.

†*Cylicosmilia altavillensis* p. 135 fig., ALLOITEAU **10**.

Cylindrophyllia see *Discotrochus*.

†*Cylindrophyllum* a synonym of *Disphyllum* p. 218, WANG **264**.

†*Cymatelasma* a synonym of *Pycnactis* p. 216, *corniculum* p. 216, *multiseptatum* is *Dinophyllum involutum* p. 216, *carinatum* is a sp. of *Spongophylloides* p. 216, WANG **264**.

Cyphastrea chalcidicum p. 49, WELLS **269**.

†*Cyphophyllum* a synonym of *Strombodes* p. 225, WANG **264**.

†*Cystelasma* a synonym of *Heterophyllia* p. 205, WANG **264**.

†*Cystidendron* a synonym of *Siphonodendron* p. 212, WANG **254**.

†*Cystiphora* a synonym of *Polythecalis* p. 212, WANG **264**.

†*Cystiphorastraea* a synonym of *Orionastraea* p. 222, WANG **264**.

†*Cystiphorolites* a synonym of *Schlotheimophyllum* p. 214, WANG **264**.

†*Cystiphrentis* a subgenus of *Siphonophyllia*, diagnosed p. 210, *kolaohoensis* p. 240 fig., WANG **264**.

†Cystiphyllacea p. 225, WANG **264**.

†Cystiphyllidae p. 225, WANG **264**.

†Cystiphyllinae p. 226, WANG **264**.

†*Cystiphylloides* a synonym of *Lytophyllum* p. 227, WANG **264**.

†*Cystiphyllum lineatum ?* p. 112 fig., AMSDEN **14**.—*C. aseptatum* **sp. n.** p. 123 fig. Silurian Japan, SUGIYAMA Sci. Rep. Tôhoku Imp. Univ. **21** 2 1940.—*C*, diagnosed p. 226, *omphymiforme* p. 243 fig., WANG **264**.

†*Dalmanophyllum* diagnosed p. 214, *dalmani* pp. 241, 244 fig., WANG **264**.

†*Dasmia ? cornuta* p. 316 fig., SCHINDEWOLF **213**.

†*Decacaenia* discussed p. 706, ALLOITEAU **9**.

†*Decaphyllum koeneni* p. 285 fig., SCHINDEWOLF **213**.—*D.* a synonym of *Stauria* p. 223, WANG **264**.

Deltocyathoides japonicum p. 126, YABE & EGUCHI **279**.

Deltocyathus orientalis p. 125, *magnificus* p. 126, *vaughani* p. 126, YABE & EGUCHI **279**.

†*Deltocyathus orientalis* p. 125, YABE & EGUCHI **279**.

†*Dendrocaenia* discussed p. 706, ALLOITEAU **9**.

Dendrogyra cylindrus p. 94 fig., SMITH **227**.

†*Dendrophyllia digitalis* p. 223 fig., MELÉNDEZ **168**.—*D. digitalis* p. 647, UMBGROVE **257**.

†*Dendroseris* discussed p. 711, ALLOITEAU **9**.

Dendrosmilia sp. p. 1258, DURHAM **80**.

†*Dendrosmilia boreas* p. 1258, DURHAM **80**.

†*Densiphyllum* a synonym of *Fasciphyllum* p. 223, WANG **264**.

†*Dentipora* discussed p. 709, ALLOITEAU **9**.

Desmophyllum dianthus p. 113 fig., cf. *alabastrum* p. 115 fig., cf. *insigne* p. 115 fig., *delicatum* **sp. n.** p. 144 fig. Japan, YABE & EGUCHI Sci. Rep. Tôhoku Imp. Univ. **22** 2 1942.

†*Desmophyllum* a synonym of *Phaulactis* p. 216, WANG **264**.

Diadumene leucolena p. 23 fig., CARLGREN **55**.

†*Dialytophyllum* a synonym of *Mesophyllum* p. 216, WANG **264**.

†Dibunophyllinae p. 211, WANG **264**.

†*Dibunophyllum* p. 43, sp. p. 39 fig., JEFFORDS **124**.—*D.* diagnosed p. 211, *bipartitum* p. 240 fig., WANG **264**.

Dichocoenia stokesii p. 93 fig., SMITH **227**.

†*Digonophyllum* a synonym of *Ceratophyllum* p. 217, WANG **264**.

†Dinophyllidae p. 215, WANG **264**.

†*Dinophyllum* diagnosed p. 215, *involutum* pp. 215, 216, 241 fig., sp. pp. 215, 244 fig., WANG **264**.

†*Diphyphyllum* diagnosed p. 222, WANG **264**.

†*Diphystrotion* a synonym of *Lonsdaleia* p. 212, WANG **264**.

†*Diplochone* diagnosed p. 226, WANG **264**.

Diploria clivosa p. 83 fig., *labyrinthiformis* p. 84 fig., *strigosa* p. 84 fig., SMITH **227**.

Discotrochus (*Cylindrophyllia*) *minimus* p. 118, YABE & EGUCHI **279**.

†*Disophyllum* a synonym of *Rhopalolasma* p. 208, WANG **264**.

†Disphyllidae p. 217, WANG **264**.

†Disphyllinae p. 218, WANG **264**.

†*Disphyllum speleanum* p. 141 fig., *angulare* p. 141 fig., **spp. n.** Devonian Victoria, HILL Proc. roy. Soc. Vict. N.S. **62** 1950.—*D.* diagnosed p. 218, WANG **264**.

†*Ditoecholasma fanninganum* p. 102, *acutiannulatum* **sp. n.** p. 102 fig. Silurian Tennessee, AMSDEN Bull. Peabody Mus. **5** 1949.—*D.* (as *Ditoechelasma*) a subgenus of *Petraia*, diagnosed p. 205, WANG **264**.

†*Diversophyllum* a synonym of *Stringophyllum* p. 215, WANG **264**.

†*Dohmophyllum* a synonym of *Acanthophyllum* p. 218, WANG **264**.

†*Donacophyllum* a synonym of *Strombodes* p. 225, WANG **264**.

†*Dorlodotia* cf. *delepinei* p. 89(3) fig., SAMPELAYO **210**.—*D.* a synonym of *Lithostrotion* p. 222, WANG **264**.

Drillactis pallida p. 23 fig., CARLGREN **55**.

†*Duncanella* a subgenus of *Syringaxon*, diagnosed p. 204, WANG **264**.

†*Duplophyllum* diagnosed p. 209, WANG **264**.

†*Dybowskia* a subgenus of *Streptelasma*, diagnosed p. 213, WANG **264**.

Echinopora lamellosa p. 49, WELLS **269**.

†*Eddastraea* a subgenus of *Acanthophyllum*, diagnosed p. 218, WANG **264**.

Edwardsia stephensoni **sp. n.** p. 428 fig. Great Barrier Reef, *gilbertensis* p. 429 fig., CARLGREN Sci. Rep. Great Barrier Reef Exped. **5** 7 1950.—*E. vivipara* **sp. n.** p. 121 fig. South Australia, CARLGREN K. fysiogr. Sällsk. Lund Forh. **20** 10 1950.—*E. sulcata* p. 22 fig., CARLGREN **55**.—*E. japonica* p. 384 fig., UCHIDA **256**.—*E. finmarchica* p. 82 fig., *andresi* p. 82 fig., [YASHNOV] **282**.

Edwardsiella sipunculoides p. 179, *californica* p. 210 fig., RICKETTS & CALVIN **199**.

†*Elasmophyllia* sp. p. 730 fig., ALLOITEAU **9**.

Eloactis mazelii p. 385 fig., UCHIDA **256**.

†*Empodesma* a synonym of *Rhopalolasma* p. 208, WANG **264**.

†*Enallophyllum* a synonym of *Syringaxon* p. 204, WANG **264**.

Endopachys japonicum, *grayi* p. 139, YABE & EGUCHI **279**.

†*Endopachys grayi* p. 648 fig., UMBGROVE **257**.—*E. japonicum* p. 139, YABE & EGUCHI **279**.

†Endophyllinae p. 224, WANG **264**.

†*Endophyllum* diagnosed p. 225, *annulatum* **sp. n.** p. 243 fig. Devonian Yunnan, WANG Philos. Trans. London **234B** 611 1950.

†*Endotheciinae* **subfam. n.** of Polycoelidae p. 167, SCHINDEWOLF Abh. Reichsamts f. Bodenforschung N.F. **204** 1942.

†*Endothecium* discussed p. 168, *decipiens* p. 168 fig., SCHINDEWOLF **213**.—*E.* diagnosed p. 209, WANG **264**.

†*Enteleiophyllum* a synonym of *Ceratophyllum* p. 217, WANG **264**.

†Entelophyllinae p. 224, WANG **264**.

†*Entelophyllum rugosum* p. 105 fig., AMSDEN **14**.—*E.* diagnosed p. 224, *articulatum* p. 243 fig., *pseudodianthus* p. 243 fig., WANG **264**.

†*Enterolasma wayense* p. 103 fig., AMSDEN **14**.—*E. caliculum* p. 230 fig., SCHINDEWOLF **213**.—*E.* (as *Enterelasma*) diagnosed p. 228, WANG **264**.

†*Eofletcheria* see Tabulata.

†*Eostrotion* a synonym of *Koninckophyllum* p. 221, WANG **264**.

Epiactis australiensis **sp. n.** p. 125 fig. South Australia, CARLGREN K. fysiogr. Sällsk. Lund Forh. **20** 10 1950.—*E. prolifera* p. 140 fig., MACGINITIE & MACGINITIE **164**.—*E. prolifera* p. 38 fig., RICKETTS & CALVIN **199**.

Epiphellia australis **sp. n.** p. 142 fig. New South Wales, CARLGREN Ark. Zool. Stockholm 2 ser. **1** 1950.—*E.* p. 450, *anneae* p. 450 fig., *elongata* p. 452 fig., **spp. n.** Great Barrier Reef, CARLGREN Sci. Rep. Great Barrier Reef Exped. **5** 7 1950.—*E. anneae* p. 129 fig., CARLGREN **54**.

Epizoanthus incrustatus p. 86 fig., [YASHNOV] **282.**

†*Eridophyllum* diagnosed p. 223, WANG **264.**

†*Eurekaphyllum* a synonym of *Papiliophyllum* p. 216, WANG **264.**

†*Euryphyllum* possibly a synonym of *Lytvelasma* p. 209, WANG **264.**

Eusmilia fastigiata p. 99 fig., SMITH **227.**

†*Explanaria* discussed p. 710, ALLOITEAU **9.**

†*Fasciculophyllum* a synonym of *Menophyllum* p. 204, WANG **264.**

†*Fasciphyllum* diagnosed p. 223, *conglomeratum* p. 243 fig., WANG **264.**

Favia conferta p. 82, *fragum* p. 82 fig., *gravida* p. 82, *leptophylla* p. 83, SMITH **227.**—*F. stelligera* p. 48, WELLS **269.**

†*Faviphyllum* a synonym of *Caninia* p. 209, and of *Bothrophyllum* p. 210, WANG **264.**

†*Favistella franklini* a sp. of *Saffordophyllum* p. 267 fig., genus discussed p. 271, *alveolata* p. 271 fig., var. *calicina* p. 272 fig., var. *discreta* p. 272, var. *interventa* p. 272 fig., var. *minima* p. 272, var. *minor* p. 273 fig., var. *rigida* p. 273, *stellaris* p. 273, *magister* **sp. n.** p. 273 fig. Ordovician U.S.A., *undulata* **sp. n.** p. 273 fig. Ordovician U.S.A., BASSLER Mem. Geol. Soc. Amer. Washington D.C. **44** 1950.—*F.* a synonym of *Columnaria* p. 223, WANG **264.**

†*Favites irregularis* p. 114 fig., ALLOITEAU **10.**

†*Favosites valoniensis* a sp. of *Amphiastraea* p. 105 fig., ALLOITEAU **10.**

Flabellum pavoninum p. 15 fig., GRAVELY **96.**—*F. pavoninum magnificum* p. 89 fig., *pavoninum* p. 90 fig., subsp. *paripavoninum* p. 91 fig., *distinctum* p. 93 fig., subsp. *patens* p. 94 fig., subsp. *angustum* **subsp. n.** p. 95 fig. Japan, *rubrum* p. 96 fig., subsp. *stokesii* p. 98 fig., *transversale* p. 99 fig., subsp. *conicum* **subsp. n.** p. 100 fig. Japan, *japonicum* p. 101 fig., *deludens* p. 101 fig., cf. *multifore* p. 103 fig., YABE & EGUCHI Sci. Rep. Tôhoku Imp. Univ. **22** 2 1942.—*F. pavoninum* p. 129 fig., subsp. *magnificum* p. 129 fig., subsp. *paripavoninum* p. 129 fig., subsp. *lamellulosum* p. 131, *distinctum* p. 130 fig., subsp. *angustum* p. 131, *rubrum* p. 131 fig., subsp. *debile* p. 132 fig., subsp. *candeanum* p. 133, *crenulatum* p. 134, *transversale* p. 134, subsp. *conicum* p. 135, *deludens* p. 135 fig., *japonicum* p. 136 fig., cf. *apertum* p. 136 fig., cf. *multifore* p. 136, YABE & EGUCHI **279.**—*F. deludens* p. 85 fig., [YASHNOV] **282.**

†*Flabellum pavoninum* p. 639 fig., *stokesii* p. 640 fig., *rubrum* p. 641 fig., UMBGROVE **257.**—*F. pavoninum* p. 90 fig., *distinctum* p. 93 fig., subsp. *patens* p. 94, subsp. *angustum* **subsp. n.** p. 95 fig. Pliocene Japan, *rubrum* p. 96 fig., subsp. *stokesii* p. 98 fig., *transversale* p. 99 fig., cf. *multifore* p. 103 fig., YABE & EGUCHI Sci. Rep. Tôhoku Imp. Univ. **22** 2 1942.—*F. pavoninum* p. 129, *distinctum* p. 130 fig., subsp. *angustum* p. 131, *rubrum* p. 131 fig., subsp. *debile* p. 132 fig., *transversale* p. 134, subsp. *conicum* p. 135, cf. *multifore* p. 136, YABE & EGUCHI **279.**

†*Fletcheria* diagnosed p. 206, WANG **264.**

†*Foerstephyllum* see Tabulata.

Fragilocyathus p. 144, *conotrochoides* p. 145 fig., YABE & EGUCHI **279.**

Fungia scutaria, fungites p. 44, WELLS **269.**—*F.* sp. aff. *distorta* p. 137, YABE & EGUCHI **279.**—*F. döderleini* **sp. n.** *procostulata* Döderlein Palau Is., YABE & SUGIYAMA Sci. Rept. Tôhoku Imp. Univ. ser. 2 Geol. Special Vol. **2** 1941 [not seen].

†*Fungia fungites* p. 646, *actinodiscus* **sp. n.** p. 647 fig. Pleistocene Java, UMBGROVE J. Paleont. Menasha Wis. **24** 6 1950.

†*Gangamophyllum* diagnosed p. 211, WANG **264.**

†*Gemmastraea* discussed p. 708, ALLOITEAU **9.**

†*Gerthia* a synonym of *Polycoelia* p. 64, SCHINDEWOLF **213.**

†*Glossophyllum* a synonym of *Ceratophyllum* p. 217, WANG **264.**

Gonactinia prolifera p. 82 fig., [YASHNOV] **282.**

Goniocyathus p. 152, *pacificus* p. 152 fig., YABE & EGUCHI **279.**

†*Goniocyathus pacificus* p. 152 fig., YABE & EGUCHI **279.**

†*Goniophyllum pyramidale* p. 43 fig., KUHN **144.**—*G.* diagnosed p. 228, WANG **264.**

†*Grabauphyllum* a subgenus of *Strombodes*, diagnosed p. 225, WANG **264.**

†*Grewingkia* possibly a synonym of *Kiaerophyllum* p. 213, WANG **264.**

†*Grypophyllum* diagnosed p. 223, *normale* p. 243 fig., WANG **264.**

†*Gshelia* diagnosed p. 210, WANG **264.**

Guynia annulata p. 289 fig., SCHINDEWOLF **213.**

†*Gyalophyllum* a subgenus of *Holmophyllum*, diagnosed p. 227, WANG **264.**

†*Gyrosmilia diadema* **sp. n.** p. 645 fig. Pleistocene Java, UMBGROVE J. Paleont. Menasha Wis. **24** 6 1950.

Gyrostoma hertwigi p. 437 fig., CARLGREN **53.**

†*Hadrophyllum pauciradiatim* **var. n.** [*sic*], *H.* **spp. n.** p. 991 Devonian N. Africa, LE MAÎTRE C.R. Acad. Sci. Paris **230** 1950.

†*Hallia mitrata* p. 295 fig., SCHINDEWOLF **213.**—*H. mitrata* var. p. 35 fig., SCHINDEWOLF **215.**—*H.* a synonym of *Aulacophyllum* p. 216, WANG **264.**

†*Hapsiphyllum* septal scheme p. 40 fig., KUHN **144.**—*H.* p. 486 fig., SCHINDEWOLF **215.**—*H.* diagnosed p. 204, WANG **264.**

Harenactis attenuata p. 186 fig., RICKETTS & CALVIN **199.**

†*Hedströmophyllum* a subgenus of *Cystiphyllum*, diagnosed p. 226, *weissermeli* p. 243 fig., WANG **264.**

†*Heliocaenia* discussed p. 703, *tumularis* p. 703 fig., ALLOITEAU **9.**

†*Heliophyllum* diagnosed p. 217, *halli* p. 242 fig., WANG **264.**

†*Helminthidium* cf. *mirum* p. 115 fig., SUGIYAMA **240.**—*H.* a subgenus of *Calostylis*, diagnosed p. 228, WANG **264.**

†*Hemicosmophyllum* a synonym of *Mesophyllum* p. 216, WANG **264.**

†*Hemicystiphyllum* a synonym of *Phaulactis* p. 216, WANG **264.**

†*Heptaphyllum* a synonym of *Menophyllum* p. 204, WANG **264.**

†*Hercophyllum* a synonym of *Phaulactis* p. 216, WANG **264.**

†*Heritschia* p. 43, sp. p. 39 fig., JEFFORDS **124.**—*H.* a subgenus of *Waagenophyllum*, diagnosed p. 213, WANG **264.**

Herpolitha limax p. 384 fig., SCHÖNMANN **217.**

Heteranthus verruculatus p. 440 fig., CARLGREN **53.**

†*Heterocaninia* diagnosed p. 210, WANG **264.**

Heterocyathus aequicostatus p. 127 fig., *japonicus* p. 127 fig., YABE & EGUCHI **279.**

†*Heterocyathus aequicostatus* p. 643, UMBGROVE **257.**—*H. aequicostatus* p. 127 fig., *japonicus* p. 127 fig., YABE & EGUCHI **279.**

Heterodactyla hemprichii p. 441 fig., CARLGREN **53.**

†*Heterophrentis* a subgenus of *Dinophyllum*, diagnosed p. 215, *prolifica* pp. 241, 244 fig., WANG **264.**

†*Heterophyllia* (*Heterophyllia*) *parva* pl. 19 fig., cf. *parva* p. 191 fig., *grandis* p. 191, pl. 19 fig., *H.* (*Heterophylloides*) *reducta* p. 191, pl. 19 fig., SCHINDEWOLF **215.**—*H.* diagnosed p. 205, WANG **264.**

†*Heterophylloides* see *Heterophyllia*.

Heteropsammia michelinii p. 142, *cochlea* p. 143, YABE & EGUCHI **279.**

†*Heteropsammia cochlea* p. 648, UMBGROVE **257.**—*H. michelinii* p. 142, *cochlea alta* p. 143, *ovalis formosensis* p. 143, *ovalis japonica* p. 157 fig., YABE & EGUCHI **279.**

†*Hettonia* a synonym of *Rylstonia* p. 206, WANG **264.**

†*Hexalasma* a synonym of *Tachyelasma* p. 208, WANG **264.**

†*Hexaphyllia mirabilis* p. 191, pl. 19 fig., SCHINDEWOLF **215.**—*H.* diagnosed p. 206, WANG **264.**

†*Hexastraea* septal scheme p. 40 fig., KUHN **144.**

†Holmophyllinae p. 227, WANG **264.**

†*Holmophyllum* diagnosed p. 227, *tungchuanense* **sp. n.** p. 244 fig. Silurian Yunnan, WANG Philos. Trans. London **234B** 611 1950.

†*Homalophyllum* diagnosed p. 209, WANG **264.**

Hormathia digitata p. 85 fig., *nodosa* p. 85 fig., [YASHNOV] **282.**

Hormathianthus tuberculatus p. 444, CARLGREN **53.**

†*Humboldtia* a synonym of *Keyserlingophyllum* p. 211, WANG **264.**

†*Iranophyllum* discussed p. 16, *arachnoides* **sp. n.** p. 18 fig. Lower Permian Iran, *carcinophylloides* var. p. 18 fig., *reticulatum* **sp. n.** p. 19 fig. Lower Permian Iran, *splendens* p. 20, DOUGLAS Palaeont. indica N.S. **22** 7 1950.—*I.* diagnosed p. 211, WANG **264.**

Isactinia ignota p. 434 fig., *lobata* p. 436 fig., **spp. n.** Great Barrier Reef, CARLGREN Sci. Rep. Great Barrier Reef Exped. **5** 7 1950.

Isanemonia **gen. n.** (fam. Actiniidae) p. 127, genotype (by monotypy) *australis* **sp. n.** p. 127 fig. South Australia, CARLGREN K. fysiogr. Sällsk. Lund Forh. **20** 10 1950.

Isophyllastrea rigida p. 96 fig., SMITH **227.**

Isophyllia sinuosa p. 98 fig., *multiflora* p. 99 fig., SMITH **227.**

†*Ivanovia* a synonym of *Orionastraea* p. 222, WANG **264.**

†*Keyserlingophyllum* diagnosed p. 211, WANG **264.**

†*Kiaerophyllum* a subgenus of *Streptelasma*, diagnosed p. 213, WANG **264.**

†*Kinkaidia* a synonym of *Rhopalolasma* p. 208, WANG **264.**

†*Kodonophyllum truncatum* p. 295 fig., SCHINDEWOLF **213.**—*K. truncatum* p. 35 fig., SCHINDEWOLF **215.**—See *Codonophyllum.*

†*Koninckocarina* a synonym of *Koninckophyllum* p. 221, WANG **264.**

†Koninckophyllinae p. 221, WANG **264.**

†*Koninckophyllum* diagnosed p. 221, *dianthoides* p. 242 fig., WANG **264.**

†*Kueichouphyllum* [as *Kweichouphyllum* (*sic*)] a synonym of *Heterocaninia* p. 210, WANG **264.**

Kunthia a synonym of *Temeniophyllum* p. 219, WANG **264.**

†*Lambeophyllum* a subgenus of *Streptelasma*, diagnosed p. 213, *profundum* p. 241 fig., WANG **264.**

†*Lamprophyllum* a subgenus of *Dinophyllum*, diagnosed p. 215, WANG **264.**

†*Latimaeandraraea astraeoides* Prever *non* Reuss a sp. of *Brachyseris* (*q. v.*) p. 731, ALLOITEAU **9.**

†*Latusastraea valvata* p. 230 fig., SCHINDEWOLF **213.**

†*Legnophyllum* a synonym of *Zonophyllum* p. 217, WANG **264.**

†*Lekanophyllum* a synonym of *Mesophyllum* p. 216, WANG **264.**

†*Leonardophyllum* a synonym of *Lophophyllidium* p. 207, WANG **264.**

Leptastraea (as *Leptastrea*) *purpurea* p. 48, *bottae* p. 49, WELLS **269.**

†*Leptastraea magna* a sp. of *Antiguastraea* p. 728, ALLOITEAU **9.**

†*Leptoenophyllum* a synonym of *Grypophyllum* p. 224, WANG **264.**

Leptoria phrygia p. 48, WELLS **269.**

Leptoseris columna, explanata **spp. n.** Palau Is., YABE & SUGIYAMA Sci. Rept. Tôhoku Imp. Univ. ser. 2 Geol. Special Vol. **2** 1941 [not seen].

†*Leptoseris* sp. p. 647, UMBGROVE **257.**

Letepsammia see *Stephanophyllia.*

†*Letepsammia* see †*Stephanophyllia.*

Limnactinia laevis p. 82 fig., [YASHNOV] **282.**

†'*Lindstroemia ampla*' p. 241, GILL **93.**—*L. subduplicata* p. 216, SCHOUPPÉ **219.**

†*Lithostrotion* diagnosed p. 222, *junceum* p. 243 fig., WANG **264.**

†*Lithostrotionella* a subgenus of *Lonsdaleia*, diagnosed p. 212, WANG **264.**

†*Lobocaenia* discussed p. 708, ALLOITEAU **9.**

†*Loepophyllum* a synonym of *Neospongophyllum* p. 215, WANG **264.**

†*Lonsdaleia floriformis* p. 37 fig., KUHN **144.**—*L.* diagnosed p. 212, *floriformis* p. 241 fig., WANG **264.**

†Lonsdaleiidae p. 211, WANG **264.**

†Lonsdaleiinae p. 212, WANG **264.**

†*Lonsdaleoides* a synonym of *Heritschia* p. 213, WANG **264.**

†*Lophamplexus* p. 43, sp. p. 37 fig., JEFFORDS **124.**—*L.* a subgenus of *Lophophyllidium*, diagnosed p. 207, WANG **264.**

†*Lophocarinophyllum* a subgenus of *Lophophyllidium*, diagnosed p. 207, WANG **264.**

†*Lopholasma tullium* p. 400 fig., WILLARD **275.**

†*Lophophrentis* a subgenus of *Bothrophyllum*, diagnosed p. 210, WANG **264.**

†Lophophyllidiinae p. 207, WANG **264**.

†*Lophophyllidium* p. 43, sp. p. 37 fig., JEFFORDS **124**.—*L. proliferum* p. 243 fig., SCHINDEWOLF **213**.—*L.* diagnosed p. 207, *proliferum* p. 240 fig., *wichmani* p. 240 fig., WANG **264**.

†*Lophophylloides* a synonym of *Koninckophyllum* p. 221, WANG **264**.

†*Lophotichium* a synonym of *Lophocarinophyllum* p. 207, WANG **264**.

†*Loyolophyllum* a synonym of *Columnaria* p. 223, WANG **264**.

†*Lyliophyllum* a synonym of *Neospongophyllum* p. 215, WANG **264**.

†*Lyrielasma* aff. *floriforme* p. 140 fig., HILL **111**.—*L.* a subgenus of *Grypophyllum*, diagnosed p. 224, WANG **264**.

†*Lytophyllum* diagnosed p. 227, WANG **264**.

†*Lytvelasma* diagnosed p. 209, WANG **264**.

†*Macgeea* diagnosed p. 219, *gallica* p. 242 fig., WANG **264**.

Madracis decactis p. 75 fig., SMITH **227**.

†*Madrepora curiosa* p. 224 fig., MELÉNDEZ **168**.

†*Maia* **gen. n.** (fam. Acanthocyclidae) p. 122, genotype (by original designation) *cylindrica* **sp. n.** p. 122 fig. Silurian Japan, SUGIYAMA Sci. Rep. Tôhoku Imp. Univ. **21** 2 1940.

†*Malonophyllum ?* p. 43, sp. p. 37 fig., JEFFORDS **124**.—*M.* a synonym of *Lophophyllidium* p. 207, WANG **264**.

Manicina areolata p. 86 fig., *mayori* p. 87, SMITH **227**.

Meandrina meandrites p. 92 fig., *brasiliensis* p. 93, SMITH **227**.

†*Meandrina astreoides* a synonym of *Cyathoseris infundibuliformis* pp. 118, 146, ALLOITEAU **10**.

†*Megaphyllum* a synonym of *Disphyllum* p. 218, WANG **264**.

†*Meniscophyllum* a synonym of *Menophyllum* p. 204, WANG **264**.

†*Menophyllum* diagnosed p. 204, WANG **264**.

†*Mesophylloides* a synonym of *Acanthophyllum* p. 218, WANG **264**.

†*Mesophyllum* diagnosed p. 216, *yunnanense* **sp. n.** p. 242 fig., Devonian Yunnan, WANG Philos. Trans. London **234B** 611 1950.

Metridium dianthus p. 237 fig., RICKETTS & CALVIN **199**.—*M. senile* p. 84 fig., [YASHNOV] **282**.

†Metriophyllinae p. 204, WANG **264**.

†*Metriophyllum erisma* **sp. n.** p. 142 fig. Devonian Victoria, HILL Proc. roy. Soc. Vict. N.S. **62** 1950.—*M.* diagnosed p. 205, *bouchardi* p. 240 fig., WANG **264**.

†*Microcyclus discus* **var. n.** [*sic*], *M.* **spp. n.** [*sic*] p. 990, Devonian Morocco, LE MAÎTRE C.R. Acad. Sci. Paris **230** 1950.

†*Microplasma* diagnosed p. 226, *gotlandica* p. 243 fig., WANG **264**.

†*Mictophyllum* a synonym of *Ptychophyllum* p. 218, WANG **264**.

Milne-Edwardsia loveni p. 82 fig., [YASHNOV] **282**.

†*Mochlophyllum* a synonym of *Ceratophyllum* p. 217, WANG **264**.

Montastrea annularis p. 89 fig., *braziliana* p. 90, *cavernosa* p. 90 fig., SMITH **227**.

Montipora laevis, ramosa, spumosa p. 41, *lobulata* p. 42 fig., *foliosa* p. 42, WELLS **269**.

†*Montlivaltia truncata* p. 108 fig., *elongata* p. 110 fig., ALLOITEAU **10**.—*M.* sp. p. 36 fig., KUHN **144**.

†*Moravophyllum* a synonym of *Grypophyllum* p. 224, WANG **264**.

Mussa angulosa p. 96 fig., SMITH **227**.

Mussismilia brasiliensis, hartii p. 95, SMITH **227**.

Mycetophyllia lamarckana p. 97 fig., SMITH **227**.

†Mycophyllidae p. 228, WANG **264**.

†*Mycophyllum* diagnosed p. 228, WANG **264**.

†*Nagatophyllum* diagnosed p. 222, WANG **264**.

†*Nalivskinella* diagnosed p. 216, WANG **264**.

†*Naos sewellensis* p. 113 fig., *brownsportensis* p. 115 fig., **spp. n.** Silurian Tennessee, AMSDEN Bull. Peabody Mus. **5** 1949.—*N.* a synonym of *Craterophyllum* p. 215, WANG **264**.

†*Nardophyllum* a synonym of *Lytophyllum* p. 227, WANG **264**.

†*Nemistium* a synonym of *Diphyphyllum* p. 222, WANG **264**.

†*Neocystiphyllum* a synonym of *Entelophyllum* p. 224, WANG **264**.

†*Neomphyma* a subgenus of *Spongophyllum*, diagnosed p. 225, WANG **264**.

†*Neospongophyllum* diagnosed p. 215, *isactis* p. 241 fig., *suni* **sp. n.** p. 241 fig. Devonian Yunnan, WANG Philos. Trans. London **234B** 611 1950.

†*Neostringophyllum* a synonym of *Grypophyllum* p. 224, WANG **264**.

†*Neozaphrentis* a synonym of *Zaphrentoides* p. 204, WANG **264**.

†*Nevadaphyllum* a subgenus of *Schlotheimophyllum*, diagnosed p. 214, WANG **264**.

†*Nipponophyllum* **gen. n.** (fam. Calostylidae) p. 115, genotype (by original designation) *giganteum* **sp. n.** p. 116 fig., *yabei* **sp. n.** p. 117 fig., Silurian Japan, SUGIYAMA Sci. Rep. Tôhoku Imp. Univ. **21** 2 1940.

†*Octocaenia* discussed p. 707, ALLOITEAU **9**.

Oculina diffusa p. 91 fig., *valenciennesi* p. 91, *varicosa* p. 92, SMITH **227**.

†*Oculina ocellata* p. 124 fig., *solanderi* p. 124 fig., ALLOITEAU **10**.

Odontocyathus spiniger p. 124 fig., YABE & EGUCHI **279**.

†*Odontocyathus japonicus* p. 125, YABE & EGUCHI **279**.

†*Odontophyllum* a synonym of *Aulacophyllum* p. 216, WANG **264**.

†*Oligophyllum* discussed p. 177, *permirum* p. 177 fig., *quinqueseptatum* p. 178 fig., *simplex* p. 180, SCHINDEWOLF **213**.—*O.* a synonym of *Pentaphyllum* p. 208, WANG **264**.

†*Omphalophyllia boletiformis* pp. 238, 239, 253 fig., *radiciformis* p. 252 fig., SCHINDEWOLF **213**.

†*Omphyma subturbinata*, p. 42 fig. KUHN **144**.

†*Onchophyllum* diagnosed p. 204, *pringlei* p. 240 fig., WANG **264**.

†*Orbignycaenia* **gen. n.** (fam. Stylinidae) p. 723, genotype (by original designation) *Cryptocoenia carantoniana* p. 723 fig., cf. *almerai* p. 727 fig., ALLOITEAU Bull. Soc. géol. Fr. 5 **18** 8–9 1948.

†*Orionastraea* diagnosed p. 222, WANG **264**.

†*Orthophyllum* a synonym of *Petraia* p. 205, WANG **264**.

Oulactis discussed p. 133, *muscosa* p. 134 fig., CARLGREN **52**.—*O. muscosa* p. 123, CARLGREN **54**.

†*Oulastrea praecrispata* **sp. n.** p. 646 fig. Pleistocene Java, UMBGROVE J. Paleont. Menasha Wis. **24** 6 1950.

†*Pachyseris compacta* **sp. n.** p. 647 fig. Pleistocene Java, UMBGROVE J. Paleont. Menasha Wis. **24** 6 1950.

†*Palaeocyclus porpita* p. 42 fig., KUHN **144**.

†*Palaeophyllum* discussed p. 274, BASSLER **18**.—*P.* (as *Paleophyllum*) a a subgenus of *Streptelasma*, diagnosed p. 213, WANG **264**.

†*Palaeosmilia* diagnosed p. 220, WANG **264**.

Palauastrea **gen. n.** (fam. Seriatoporidae), *ramosa* **sp. n.**, *iwayamaensis* **subsp. n.** Palau Is., YABE & SUGIYAMA Sci. Rept. Tôhoku Imp. Univ. ser. 2 Geol. Special Vol. **2** 1941 [not seen.]

Palythoa australiensis **sp. n.** p. 144 fig. New South Wales, CARLGREN Ark. Zool. Stockholm 2 ser. **1** 1950.—*P. mammilosa* p. 86 fig., [YASHNOV] **282**.

†*Papiliophyllum* a subgenus of *Aulacophyllum*, diagnosed p. 216, WANG **264**.

†*Paracaninia* a synonym of *Caninia* p. 209, WANG **264**.

Paractinia striata p. 1 fig., COLBRANT-LEROCH **63**.

Paracyathus pruinosus p. 126 fig., YABE & EGUCHI **279**.

†*Paracyathus stokesii* p. 643 fig., *javana* **sp. n.** p. 643 fig. Pleistocene Java, sp. p. 644 fig., UMBGROVE J. Paleont. Menasha Wis. **24** 6 1950.

Paraedwardsia arenaria p. 83 fig., [YASHNOV] **282**.

†*Paralithostrotion* diagnosed p. 222, WANG **264**.

†*Paralleynia* a synonym of *Amplexicarinia* p. 209, WANG **264**.

†*Paralytophyllum* a synonym of *Lytophyllum* p. 227, WANG **264**.

†*Parasmilia centralis* var. *costellata* **var. n.** p. 136 fig. Cretaceous France, ALLOITEAU Mém. Mus. nat. Hist. nat. n.s. **C1** 2 1950.—*P. australis* p. 40 fig., septal scheme p. 40 fig., KUHN **144**.—*P.* aff. *centralis* p. 257 fig., sp. p. 293 fig., SCHINDEWOLF **213**.

†*Paterophyllum* a synonym of *Petraia* p. 205, WANG **264.**

Pavona decussata p. 42, *cactus* p. 43, WELLS **269.**

†*Peetzia* a synonym of *Gshelia* p. 210, WANG **264.**

†*Peneckiella* a synonym of *Phacellophyllum* p. 219, WANG **264.**

†*Pentacaenia* discussed p. 719, ALLOITEAU **9.**

†*Pentamplexus* **gen. n.** p. 212, genotype *simulator* **sp. n.** p. 403 fig. Permian Timor, SCHINDEWOLF Fortsch. Geol. Palaeont. **12** 41 1940 [not seen].—*P.* discussed p. 212, *simulator* p. 212 fig., SCHINDEWOLF **213.**—*P.* a synonym of *Pleramplexus* p. 208, WANG **264.**

†Pentaphyllinae **subfam. n.** of Polycoelidae p. 171, SCHINDEWOLF Abh. Reichsamts f. Bodenforschung N.F. **204** 1942.

†*Pentaphyllum* p. 394, *P.* (*Tachylasma*) *variabile* p. 395 fig., *gracile* **sp. n.** p. 394 fig. Permian Timor, SCHINDEWOLF Fortsch. Geol. Palaeont. **12** 41 1940 [not seen].—*P.* discussed pp. 172, 180, *hibernicum* p. 172 fig., *caryophyllatum* p. 172 fig., *armatum* p. 172, *P.* (*Pentaphyllum*) *subcylindricum* **sp. n.** p. 183 fig. Permian Timor, *bulbosum* **sp. n.** p. 185 fig. Carboniferous Germany, *cruciferum* **sp. n.** p. 186 fig. Carboniferous Germany, *P.*(*P.*)? sp. p. 189 fig., *P.* (*Tachylasma*) *timorense* p. 190 fig., *variabile* p. 194 fig., *beyrichi* p. 199 fig., *gracile* p. 201 fig., *ponderosum* **sp. n.** p. 204 fig. Permian Timor, *superans* **sp. n.** p. 206 fig. Permian Timor, *P.* (*Prionophyllum*) *crassiseptum* **sp. n.** p. 209 fig. Permian Timor, SCHINDEWOLF Abh. Reichsamts f. Bodenforschung N.F. **204** 1942.—*P.* diagnosed p. 208, WANG **264.**

†*Permia* a synonym of *Syringaxon* p. 204, WANG **264.**

†*Petraia semistriata* p. 223 fig., *radiata* p. 235 fig., SCHINDEWOLF **213.**—*P.* diagnosed p. 205, WANG **264.**

†Petraiinae p. 205, WANG **264.**

†*Petrozium* a synonym of *Entelophyllum* p. 224, WANG **264.**

†*Pexiphyllum* a synonym of *Macgeea* p. 219, WANG **264.**

†Phacellophyllinae p. 219, WANG **264.**

†*Phacellophyllum* diagnosed p. 219, *caespitosum* p. 242 fig., WANG **264.**

†*Phaulactis* diagnosed p. 216, *glevensis* p. 242 fig., WANG **264.**

†*Phillipsastraea torreana* p. 60 (16) fig., var. *minuta* **var. n.** p. (60) 16 fig. Devonian Spain, ALMELA & REVILLA Not. Com. Inst. Geol. Min. Esp. **20** 1950. —*P. ananas* pl. 5 fig., SCHINDEWOLF **215.**—*P.* diagnosed p. 220, *exigea* p. 242 fig., WANG **264.**

Phlyctenanthus australis **sp. n.** p. 135 fig. New South Wales, *tuberculosa* p. 136 fig., CARLGREN Ark. Zool. Stockholm 2 ser. **1** 1950.

†*Phryganophyllum* a synonym of *Polycoelia* p. 64, SCHINDEWOLF **213.**—*P.* a synonym of *Zaphrentoides* p. 204, WANG **264.**

Phymanthus mucosus p. 439 fig., CARLGREN **53.**

†*Pilophyllum* diagnosed p. 214, sp. p. 241 fig., WANG **264.**

†*Placophyllum* a synonym of *Fletcheria* p. 206, WANG **264.**

†*Placosmilia recta* **sp. n.** p. 733 fig. Cretaceous France, ALLOITEAU Bull. Soc. géol. Fr. 5 **18** 8–9 1948.—*P. compressa* p. 138 fig., ALLOITEAU **10.**—*P. vidali* p. 218 fig., MELÉNDEZ **168.**

Placotrochides ? kikutii p. 149 fig., YABE & EGUCHI **279.**

†*Plagiophyllum* a synonym of *Lytophyllum* p. 227, WANG **264.**

†*Plasmophyllum* diagnosed p. 215, WANG **264.**

†*Platyphyllum* a synonym of *Calceola* p. 227, WANG **264.**

†*Platysmilia* discussed p. 711, ALLOITEAU **9.**

†*Pleramplexus* **gen. n.** p. 401, genotype *similis* p. 401 fig., *dissimilis* p. 491 [?401] fig., **spp. n.** Permian Timor, SCHINDEWOLF Fortsch. Geol. Palaeont. **12** 41 1940 [not seen].—*P.* discussed p. 160, *similis* p. 163 fig., *dissimilis* p. 165 fig., SCHINDEWOLF **213.**—*P.* a subgenus of *Plerophyllum*, diagnosed p. 208, WANG **264.**

†*Plerastrea tesellata* p. 219 fig., MELÉNDEZ **168.**

†Plerophyllidae p. 207, WANG **264.**

†Plerophyllinae discussed p. 102, SCHINDEWOLF **213.**—P. p. 207, WANG **264.**

†*Plerophyllum* p. 394, *P.* (*Plerophyllum*) *australe* p. 393 fig., *P.* (*Ufimia*) *inaequale* **sp. n.** p. 394 fig. Carboniferous Germany, *multitabulatum* **sp. n.** p. 395 fig. Permian Timor, SCHINDEWOLF Fortsch. Geol. Palaeont. **12** 41 1940 [not seen].—*P.* discussed p. 105, *P.* (*Plerophyllum*) *australe* p. 111 fig., *aequabile* **sp. n.** p. 115 fig. Permian Timor, *gerthi* **sp. n.** p. 117 fig. Permian Timor, *radiciforme* p. 119 fig., *P.* (*Ufimia*) *persymmetricum* **sp. n.** p. 127 fig. Permian Timor, *infracarbonicum* **sp. n.** p. 130 fig. Carboniferous Germany, *isophyllum* **sp. n.** p. 134 fig. Permian Timor, *tricyclicum* **sp. n.** p. 137 fig. Carboniferous Germany, *clavatum* **sp. n.** p. 140 fig. Carboniferous Germany, *inaequale* p. 142 fig., *schwarzbachi* **sp. n.** p. 144 fig. Carboniferous Germany, *kobayashii* **sp. n.** p. 146 fig. Permian Timor, *cuneiseptum* **sp. n.** p. 149 fig. Devonian Germany, *formosum* **sp. n.** p. 150 fig. Permian Timor, *multitabulatum* p. 153 fig., *longiseptatum* p. 156 fig., SCHINDEWOLF Abh. Reichsamts f. Bodenforschung N.F. **204** 1942.—*P.* p. 486 fig., SCHINDEWOLF **215**.—*P.* diagnosed p. 208, WANG **264**.

Plesioseris see *Psammocora*.

†*Pleurophyllum timorense* p. 40 fig., KUHN **144**.

Pocillopora damicornis p. 34, *verrucosa* p. 34 fig., *elegans* p. 35, *woodjonesi* p. 35 fig., WELLS **269**.

†*Polycoelia angusta* p. 41 fig., KUHN **144**.—*P.* discussed p. 64, *P.* (*Polycoelia*) *profunda* p. 67 fig., *compressa* p. 72 fig., *gracilis* **sp. n.** p. 75 fig. Permian Germany, *conica* **sp. n.** p. 79 fig. Carboniferous Germany, *rossica* **sp. n.** p. 80 fig. Permian Russia, *carbonica* **sp. n.** p. 84 fig. Carboniferous Germany, *angusta* p. 86 fig., *P.* (*Tetralasma*) *quadriseptata* **sp. n.** p. 92 fig. Carboniferous Germany, *P.* (*Weissermelia*) *compacta* **sp. n.** p. 93 fig. Carboniferous Germany, *P.* (*Sochkineophyllum*) **sp. n.** [*sic*] p. 95 fig. Germany, SCHINDEWOLF Abh. Reichsamts f. Bodenforschung N.F. **204** 1942.

†Polycoelidae discussed p. 55, SCHINDEWOLF **213**.

†Polycoelinae discussed p. 61, SCHINDEWOLF **213**.

†*Polyorophe* discussed p. 75, SCHOUPPÉ **218**.—*P.* a synonym of *Rhapidophyllum* p. 227, WANG **264**.

†*Polythecalis* aff. *grayi* p. 15 fig., sp. p. 15 fig., DOUGLAS **77**.—*P.* [as *Polythecalia* (*sic*)] a subgenus of *Lonsdaleia* p. 212, WANG **264**.

Porites astreoides p. 79 fig., *branneri* p. 80, *furcata* p. 80 fig., *porites* p. 81 fig., *verrilli* p. 81, SMITH **227**.—*P. solida* p. 45, *gibsonhilli* **sp. n.** p. 45 fig. Cocos-Keeling Atoll, *nigrescens* p. 46, *cocosensis* **sp. n.** p. 47 fig. Singapore, Cocos-Keeling Atoll and Amirante Islands, WELLS Bull. Raffles Mus. Singapore No. 22 1950.

Premocyathus **gen. n.** (fam. Turbinolidae) pp. 120, 151, genotype (by original designation) *Caryophyllia compressa* p. 121 fig. Japan, YABE & EGUCHI Sci. Rep. Tôhoku Imp. Univ. **22** 2 1942.—*P. compressus* p. 151 fig., YABE & EGUCHI **279**.

†*Prionophyllum* **subgen. n.** of *Pentaphyllum* p. 209, subgenotype (by original designation) *crassiseptum* **sp. n.** p. 209 fig. Permian Timor, SCHINDEWOLF Abh. Reichsamts f. Bodenforschung N.F. **204** 1942.—*P.* a subgenus of *Plerophyllum*, diagnosed p. 208, WANG **264**.

†*Prismatophyllum* diagnosed p. 218, WANG **264**.

†*Progyrosmilia regularis* **sp. n.** p. 644 fig. Pleistocene Java, UMBGROVE J. Paleont. Menasha Wis. **24** 6 1950.

†*Prosmilia* discussed p. 96, *cyathophylloides* p. 98 fig., SCHINDEWOLF **213**.—*P.* diagnosed p. 209, WANG **264**.

†*Protaraeopoma* [as *Proaraeopoma* (*sic*)] a synonym of *Araeopoma* p. 228, WANG **264**.

†*Protoheterastrea fritschi* p. 236 fig., *leonhardi* p. 228 fig., SCHINDEWOLF **213**.

Psammocora (*Plesioseris*) *haimeana* p. 43, *P.* (*Stephanaria*) *togianensis* p. 43, WELLS **269**.

†*Pselophyllum* a synonym of *Pseudamplexus* p. 228, WANG **264**.

†*Pseudamplexus* diagnosed p. 228, WANG **264**.—*P.* ? *princeps* p. 142, HILL **111**.

†*Pseudocaenia* discussed p. 704, *suboctonis* p. 703 fig., ALLOITEAU **9**.

†*Pseudochonophyllum* a synonym of *Craterophyllum* p. 215, WANG **264**.

†*Pseudocosmophyllum* a synonym of *Ceratophyllum* p. 217, WANG **264**.

†*Pseudocryptophyllum* possibly a synonym of *Pentaphyllum* p. 208, WANG **264.**

†*Pseudomicroplasma* a synonym of *Zonophyllum* p. 217, WANG **264.**

†*Pseudomphyma* a synonym of *Mycophyllum* p. 228, WANG **264.**

†*Pseudouralinia* a synonym of *Uralinia* p. 210, WANG **264.**

†*Pseudozaphrentoides* p. 43, sp. p. 39 fig., JEFFORDS **124.**—*P.* a synonym of *Bothrophyllum* p. 210, WANG **264.**

†*Pseudozonophyllum* a synonym of *Zonophyllum* p. 217, WANG **264.**

†*Ptenophyllum* a synonym of *Ceratophyllum* p. 217, WANG **264.**

†*Ptychophyllum* diagnosed p. 218, WANG **264.**—*P.* ? *cliftonense* **sp. n.** p. 112 fig. Silurian Tennessee, AMSDEN Bull. Peabody Mus. **5** 1949.

†Pycnactidae p. 216, WANG **264.**

†*Pycnactis* diagnosed, *corniculum* p. 216, WANG **264.**

†*Radiastraea* a synonym of *Phillipsastraea* p. 220, WANG **264.**

†*Radiophyllum* a synonym of *Grypophyllum* p. 224, WANG **264.**

†*Rhabdocyclus* diagnosed p. 227, WANG **264.**

†*Rhapidophyllum* diagnosed p. 227, WANG **264.**

†*Rhegmatophyllum* a synonym of *Brachyelasma* p. 213, WANG **264.**

†*Rhipidophyllum* and *R. vulgare* validated p. 430, OPINION **4.**

†*Rhizophyllum tennesseense* p. 111 fig., AMSDEN **14.**—*R. lunulatum* **sp. n.** p. 123 fig. Silurian Japan, SUGIYAMA Sci. Rep. Tôhoku Imp. Univ. **21** 2 1940.—*R.* a synonym of *Calceola* p. 227, WANG **264.**

Rhizopsammia minuta mutsuensis p. 143, YABE & EGUCHI **279.**

Rhizotrochus niinoi **sp. n.** p. 154 fig. Japan, YABE & EGUCHI Sci. Rep. Tôhoku Imp. Univ. **22** 2 1942.

Rhodactis howesii p. 455 fig., *bryoides* p. 456, CARLGREN **53.**

†*Rhopalolasma* a subgenus of *Pleropyllum*, diagnosed p. 208, *granulata* p. 240 fig., WANG **264.**

†*Rhopalophyllum* a synonym of *Acanthophyllum* p. 218, WANG **264.**

†*Rhytidophyllum* a synonym of *Calceola* p. 227, WANG **264.**

†*Rossophyllum* a synonym of *Bothrophyllum* p. 210, WANG **264.**

†*Rotiphyllum* a synonym of *Bradyphyllum* p. 205, WANG **264.**

†*Rylstonia* diagnosed p. 206, *benecompacta* p. 240 fig., WANG **264.**

†*Saffordophyllum* see Tabulata.

Sagartia spongicola p. 24 fig., *modesta* p. 26 fig., CARLGREN **55.**—*S.* sp. p. 140 fig., MACGINITIE & MACGINITIE **164.**—*S. luciae* p. 167, RICKETTS & CALVIN **199.**

†*Sanidophyllum* a subgenus of *Endophyllum*, diagnosed p. 225, WANG **264.**

†*Sarcinula* discussed p. 711, ALLOITEAU **9.**

†*Scenophyllum* a subgenus of *Dinophyllum*, diagnosed p. 215, WANG **264.**

†*Schizophyllum* a synonym of *Stringophyllum* p. 215, WANG **264.**

†*Schlotheimophyllum* diagnosed p. 214, WANG **264.**

†*Schlüteria* a synonym of *Disphyllum* p. 218, WANG **264.**

†*Schoenophyllum* a synonym of *Siphonodendron* p. 212, WANG **264.**

†*Sciophyllum* **gen. n.** p. 31 (fam. Lithostrotiontidae), genotype (by authors' designation) *lambarti* **sp. n.** p. 31 fig. Carboniferous (? Lower) Canada, HARKER & MCLAREN Geol. Surv. Bull. Dep. Mines Tech. Surv. Can. **15** 1950.

†*Scoliophyllum* a synonym of *Lytophyllum* p. 227, WANG **264.**

†*Semaeophyllum* a synonym of *Phaulactis* p. 216, WANG **264.**

Seriatopora angulata p. 33, WELLS **269.**

Siderastraea (*as Siderastrea*) *radians* pp. 233, 234, 248, 249 fig., SCHINDEWOLF **213.**—*S. radians* p. 78 fig., *siderea* p. 79 fig., *stellata* p. 79, SMITH **227.**

†*Siderastraea* discussed p. 710, ALLOITEAU **9.**—*S. italica* p. 119 fig., ALLOITEAU **10.**

†*Sinophyllum iranicum* **sp. n.** p. 25 fig. Lower Permian Iran, DOUGLAS Palaeont. indica N.S. **22** 7 1950.—*S.* a synonym of *Lophophyllidium* p. 207, WANG **264.**

†*Sinospongophyllum* a synonym of *Endophyllum* p. 225, WANG **264.**

†*Siphonodendron* diagnosed p. 212, *irregulare* p. 241 fig., WANG **264**.

†*Siphonophrentis* diagnosed p. 214, *gigantea* pp. 241, 244 fig., WANG **264**.

†*Siphonophyllia* diagnosed p. 210, *cylindrica* p. 240 fig., WANG **264**.

†*Smilotrochus delphinas* p. 132 fig., ALLOITEAU **10**.

†*Sochkineophyllum* a subgenus of *Polycoelia* (q.v.) pp. 64, 94, SCHINDEWOLF **213**.—*S.* a synonym of *Timorphyllum* p. 207, WANG **264**.

Solenastrea bournoni p. 88, *hyades* p. 88 fig., SMITH **227**.

†*Sparganophyllum* a synonym of *Ptychophyllum* p. 218, WANG **264**.

Sphenopus marsupialis p. 15 fig., GRAVELY **96**.

†*Sphenotrochus milleti* p. 129 fig., *granulosus* p. 130 fig., ALLOITEAU **10**.

†*Spiniferina* a synonym of *Tryplasma* p. 81, SCHOUPPÉ **218**.—*S.* a synonym of *Tryplasma* p. 226, WANG **264**.

†*Spinophyllum* a synonym of *Ceriophyllum* p. 219, WANG **264**.

†*Spongophylloides* diagnosed p. 225, *carinatum* p. 216, WANG **264**.

†*Spongophyllum murale* **sp. n.** p. 143 fig. Devonian Victoria, HILL Proc. roy. Soc. Vict. N.S. **62** 1950.—*S. yoshii* **sp. n.** p. 117 fig. Silurian Japan, SUGIYAMA Sci. Rep. Tôhoku Imp. Univ. **21** 2 1940. —*S.* diagnosed p. 225, WANG **264**.

†*Stauria* diagnosed p. 223, WANG **264**.

†*Stelechophyllum* a synonym of *Lithostrotionella* p. 212, WANG **264**.

†*Stenophyllum* a synonym of *Acanthophyllum* p. 218, WANG **264**.

Stephanaria see *Psammocora*.

Stephanocoenia michelini p. 74, SMITH **227**.

Stephanophyllia fungulus p. 138, *S.* (*Letepsammia*) *formosissima* p. 138, YABE & EGUCHI **279**.

†*Stephanophyllia fungulus* p. 138, *S.* (*Letepsammia*) *formosissima* p. 138, *japonica* p. 156 fig., YABE & EGUCHI **279**.

Stephanoseris japonica, lamellosa and *carthausi* all synonymous and are *Heterocyathus* p. 128, YABE & EGUCHI **279**.

†*Stereolasma rectum* p. 230, SCHINDEWOLF **213**.

†*Stereostylus* p. 43, sp. p. 37 fig., JEFFORDS **124**.—*S.* a synonym of *Timorphyllum* p. 207, WANG **264**.

†*Stewartophyllum* a synonym of *Petraia* p. 205, WANG **264**.

Stoichactis kenti p. 141 fig., CARLGREN **52**.—*S. kenti* p. 443 fig., *haddoni* p. 444, CARLGREN **53**.

Stomphia coccinea p. 389 fig., UCHIDA **256**.—*S. coccinea* p. 84 fig., [YASHNOV] **282**.

†*Storthygophyllum* a synonym of *Rhapidophyllum* p. 227, WANG **264**.

†*Stortophyllum* possibly a synonym of *Tryplasma* p. 81, SCHOUPPÉ **218**.—*S.* a synonym of *Rhapidophyllum* p. 227, WANG **264**.

†*Streptelasma corniculum* p. 42 fig., KUHN **144**.—? *S. corniculum* p. 495 fig., CADY **50**.—*S.* diagnosed p. 213, *rusticum* p. 241 fig., *corniculum* p. 241 fig., WANG **264**.—*S. rectum* p. 400 fig., WILLARD **275**.

†Streptelasmacea p. 213, WANG **264**.

†Streptelasmidae p. 213, WANG **264**.

†*Stringophyllum* diagnosed p. 215, *primaevum* **sp. n.** p. 241 fig. Devonian Yunnan, sp. p. 242 fig., WANG Philos. Trans. London **234B** 611 1950.

†*Strobilasma* possibly a synonym of *Amplexoides* p. 206, WANG **264**.

†*Strombodes* diagnosed p. 225, *stellata* p. 243 fig., WANG **264**.

†*Stylastraea* a synonym of *Diphyphyllum* p. 222, WANG **264**.

†*Stylidophyllum kueichowense* varr. p. 14 fig., DOUGLAS **77**.

†*Stylina* discussed p. 700, *echinulata* p. 712, *cremai* **sp. n.** p. 714 fig. Cretaceous France, ALLOITEAU Bull. Soc. géol. Fr. 5 **18** 8–9 1948.—*S. punctata* p. 44 fig., KUHN **144**.

†*Stylocoenia vicaryi* p. 222 fig., MELÉNDEZ **168**.—*S.* [as *Stylocaenia* (*sic*)] *emarciata* p. 141 fig., ALLOITEAU **10**.

Stylocoeniella armata p. 33, WELLS **269**.

†*Stylophora pocilloporoides* p. 644 fig., *granulata* p. 644 fig., **spp. n.** Pleistocene Java, UMBGROVE J. Paleont. Menasha Wis. **24** 6 1950.

†*Stylophyllopsis mucronata* p. 255 fig., *zitteli* p. 254 fig., SCHINDEWOLF **213**.

†*Stylopora* discussed p. 709, ALLOITEAU **9**.

†*Stylostrotion* a synonym of *Siphonodendron* p. 212, WANG **264**.

†*Symplectophyllum* a synonym of *Nagatophyllum* p. 222, WANG **264**.

†*Synamplexus* a synonym of *Fletcheria* p. 206, WANG **264**.

†*Synaptophyllum* a synonym of *Phacellophyllum* p. 219, WANG **264**.

†*Syringaxon* discussed p. 143, *radiatum* **sp. n.** p. 144 fig. Devonian Victoria, HILL Proc. roy. Soc. Vict. N.S. **62** 1950. —*S. alleynioides* p. 235 fig., *bohemicus* pp. 223, 235 fig., SCHINDEWOLF **213**.—*S.* diagnosed p. 204, *siluriense* p. 240 fig., WANG **264**.

†*Tabularia* a subgenus of *Cetophyllum*, diagnosed p. 226, WANG **264**.

†*Tabulophyllum* a synonym of *Endophyllum* p. 225, WANG **264**.

†*Tachylasma* aff. *elongatum* p. 24 fig., DOUGLAS **77**.—*T.* a subgenus of *Pentaphyllum* (*q.v.*) p. 394, SCHINDEWOLF **212** [not seen].—*T.* a subgenus of *Pentaphyllum* (*q.v.*) p. 189, SCHINDEWOLF **213**.—*T.* (as *Tachyelasma*) a subgenus of *Plerophyllum*, diagnosed p. 208, WANG **264**.

Tealia felina p. 514 fig., KRAMP **139**.—*T. crassicornis* p. 54, RICKETTS & CALVIN **199**.—*T. felina* p. 386 fig., UCHIDA **256**.—*T. felina* p. 83 fig., [YASHNOV] **282**.

†*Teleosteus* and *T. primaevus* suppressed p. 430, OPINION **4**.

Telmatactis stephensoni p. 445 fig., *australiensis* p. 448 fig., *insignis* p. 449 fig., **spp. n.** Great Barrier Reef, CARLGREN Sci. Rep. Great Barrier Reef Exped. **5** 7 1950.

†*Temeniophyllum* diagnosed p. 218, *crassiseptatum* p. 242 fig., *complicatum* p. 242 fig., **spp. n.** Devonian Yunnan, WANG Philos. Trans. London **234B** 611 1950.

†*Tenuiphyllum* a synonym of *Entelophyllum* p. 224, WANG **264**.

†*Tetralasma* **subgen. n.** of *Polycoelia* p. 90, subgenotype (by original designation) *quadriseptata* **sp. n.** p. 92 fig., Carboniferous Germany, SCHINDEWOLF Abh. Reichsamts f. Bodenforschung N.F. **204** 1942.—*T.* a subgenus of *Calophyllum*, diagnosed p. 208, WANG **264**.

†*Thamnophyllum* a subgenus of *Phacellophyllum*, diagnosed p. 219, WANG **264**.

†*Thecocyathus* see †*Trochocyathus*.

†*Thecosmilia sublaevis* p. 240 fig., SCHINDEWOLF **213**.

†*Thysanophyllum* diagnosed p. 212, WANG **264**.

†*Timania* a subgenus of *Bothrophyllum*, diagnosed p. 210, WANG **264**.

†*Timorosmilia* a synonym of *Plerophyllum* p. 208, WANG **264**.

†*Timorphyllum* diagnosed p. 207, WANG **264**.

†*Tortophyllum* a subgenus of *Acanthophyllum*, diagnosed p. 218, WANG **264**.

†*Trapezophyllum* a subgenus of *Phacellophyllum*, diagnosed p. 219, WANG **264**.

†*Trematophyllum* a synonym of *Ptychophyllum* p. 218, WANG **264**.

†*Tremocaenia* discussed p. 704, ALLOITEAU **9**.

Triactis cincta p. 433, CARLGREN **53**.

†*Triplophyllum* a synonym of *Menophyllum* p. 204, WANG **264**.

Trochocyathus sp. p. 15 fig., GRAVELY **96**.—*T. pileus* p. 123 fig., *caryophylloides* p. 123 fig., *T.* (*Tropidocyathus*) cf. *lessoni* p. 124, *welisi* **sp. n.** p. 153 fig. Japan, YABE & EGUCHI Sci. Rep. Tôhoku Imp. Univ. **22** 2 1942.

†*Trochocyathus van-den-heckei* p. 218 fig., MELÉNDEZ **168**.—*T. pileus* p. 123 fig., *T.* (*Tropidocyathus*) cf. *lessoni* p. 124, *T.* (*Thecocyathus*) *hanzawai* p. 153 fig., YABE & EGUCHI **279**.

†*Trochophyllum* a synonym of *Zaphrentoides* p. 204, WANG **264**.

Tropidocyathus see *Trochocyathus*.

†*Tropidocyathus* see †*Trochocyathus*.

†*Tryplasma* discussed p. 53, SCHOUPPÉ **218**.—*T.* p. 118, *japonica* **sp. n.** p. 119 fig., *higutizawaensis* **sp. n.** p. 119 fig., *hayasakai* **sp. n.** p. 120 fig., subsp. *multiseptata* **subsp. n.** p. 120 fig., *ozakii* **sp. n.**

p. 121 fig., *takainariensis* **sp. n.** p. 121 fig., *T.* **sp. n.** ? [*sic*] p. 122 fig., Silurian Japan, SUGIYAMA Sci. Rep. Tôhoku Imp. Univ. **21** 2 1940.—*T.* diagnosed p. 226, *paucitabulatum* p. 243 fig., WANG **264.**

†*Tschussovskenia* a synonym of *Gshelia* p. 210, WANG **264.**

Tubastraea willeyi p. 50, WELLS **269.**

†*Tubastraea* discussed p. 709, ALLOITEAU **9.**

Turbinaria immersa, ramosa, titizimaensis, **spp. n.** Japan, *tayamai* **sp. n.** Marshall Is., YABE & SUGIYAMA Sci. Rept. Tôhoku Imp. Univ. ser. 2 Geol. Special Vol. **2** 1941 [not seen].

†*Turbinolia dispar* p. 127 fig., *compressa* p. 138 fig. a sp. of *Placosmilia,* ALLOITEAU **10.**—*T. sulcata* pp. 242, 281–283 fig., SCHINDEWOLF **213.**—*T. sulcata* p. 188 fig., SCHINDEWOLF **215.**

†*Ufimia* a subgenus of *Plerophyllum* p. 394, SCHINDEWOLF **212** [not seen].—*U.* a subgenus of *Plerophyllum* (*q.v.*) p. 122, SCHINDEWOLF **213.**

†*Uralinia* a subgenus of *Siphonophyllia,* diagnosed p. 210, WANG **264.**

†*Uralophyllum* a synonym of *Ceratophyllum* p. 217, WANG **264.**

†*Valloria egozcuei* p. 220 fig., MELÉNDEZ **168.**

†*Vepresiphyllum* diagnosed p. 224, WANG **264.**

†*Verbeekiella* diagnosed p. 207, *australe* p. 240 fig., WANG **264.**

†*Verneuilia* a synonym of *Hapsiphyllum* p. 204, WANG **264.**

†*Vesicularia* a synonym of *Schlotheimophyllum* p. 214, WANG **264.**

†*Waagenophyllum* aff. *indicum* p. 9 fig., *minimum* **sp. n.** p. 10 fig. Permian Iran, *chitralicum* p. 11 fig., *cinctum* **sp. n.** p. 12 fig. Permian Iran, *huangi* **sp. n.** p. 12 fig. Middle Permian Iran, DOUGLAS Palaeont. indica N.S. **22** 7 1950.—*W.* diagnosed p. 212, *indicum* p. 241 fig., WANG **264.**

†*Weissermelia* Lang, Smith & Thomas a synonym of *Entelophyllum* p. 224, WANG **264.**

†*Weissermelia* **subgen. n.** of *Polycoelia* p. 93, subgenotype (by original designation) *compacta* **sp. n.** p. 93 fig. Carboniferous Germany, SCHINDEWOLF Abh. Reichsamts f. Bodenforschung N.F. **204** 1942.—*W.* Schindewolf *non* Lang, Smith & Thomas a synonym of *Tetralasma* p. 208, WANG **264.**

†*Wentzelella elegans* p. 13 fig., aff. *szechuanensis* p. 13 fig., *subtimorica* p. 14 fig., DOUGLAS **77.**—*W.* a subgenus of *Waagenophyllum,* diagnosed p. 213, WANG **264.**

†*Xiphelasma* a synonym of *Rhapidophyllum* p. 227, WANG **264.**

†*Xystriphyllum mitchelli* p. 140 fig., HILL **111.**—*X.* a subgenus of *Acanthophyllum,* diagnosed p. 218, WANG **264.**

†*Yabeella* a synonym of *Heterocaninia* p. 210, WANG **264.**

†*Yabeia* Lang, Smith & Thomas a synonym of *Fletcheria* p. 206, WANG **264.**

†*Yassia* a subgenus of *Cystiphyllum,* diagnosed p. 226, WANG **264.**

†*Yatsengia asiatica* p. 20 fig., DOUGLAS **77.**—*Y.* a synonym of *Corwenia* p. 211, WANG **264.**

†*Yuanophyllum* a synonym of *Arachnelasma* p. 211, WANG **264.**

†"*Zaphrenthis*" p. 43, sp. p. 37 fig. JEFFORDS **124.**—See also *Zaphrentis.*

†*Zaphrentis delanouei* p. 21 fig., DOUGLAS **77.**—*Z. phillipsi* p. 213 fig., MELÉNDEZ **168.**—*Z.* sp. Kunth p. 130, *beyrichi* (*pars*) p. 134, sp. Schwarzbach p. 144, SCHINDEWOLF **213.**—*Z.* sp. p. 395 fig., *roemeri* p. 395 fig., *prolifica* p. 400 fig., *simplex* p. 400 fig., WILLARD **275** —See also *Zaphrenthis.*

†Zaphrentoidea p. 203, WANG **264.**

†*Zaphrentoides phillipsi* pp. 223, 230 fig., *konincki* p. 226 fig., SCHINDEWOLF **213.**—*Z.* p. 486 fig., SCHINDEWOLF **215.**—*Z.* diagnosed p. 204, *delanouei* p. 239 fig., *omaliusi* p. 240 fig., WANG **264.**

†Zaphrentoididae p. 203, WANG **264.**

†Zaphrentoidinae p. 203, WANG **264.**

†*Zaphrentula* a synonym of *Zaphrentoides* p. 204, WANG **264.**

†*Zelaeophyllum* a synonym of *Verbeekiella* p. 207, WANG **264.**

†*Zelophyllum* a synonym of *Tryplasma* p. 81, SCHOUPPÉ **218**.—*Z.* diagnosed p. 228, *primaevum* p. 244 fig., *lindströmi* [as *lindström* (*sic*)] p. 244 fig., **spp. n.** Silurian Yunnan, WANG Philos. Trans. London **234B** 611 1950.

Zoanthus robustus **sp. n.** p. 132 fig. South Australia, CARLGREN K. fysiogr. Sällsk. Lund Forh. **20** 10 1950.

†*Zonodigonophyllum* a synonym of *Ceratophyllum* p. 217, WANG **264**.

†*Zonophyla* a synonym of *Arachniophyllum* p. 224, WANG **264**.

†*Zonophyllum* diagnosed p. 217, WANG **264**.

CTENOPHORA

Beroë cucumis p. 517 fig., KRAMP **139**. —*B. gracilis* **sp. n.** p. 172 fig. North Sea, KÜNNE Zool. Anz. Leipzig **127** 1939.—*B. forskalii* p. 70 fig., *cucumis* p. 72 fig., sp. juv. p. 74 fig., *ovata* discussed p. 76, RALPH **194**.—*B. ovata* pl. 8, SCHÖNMANN **217**.—*B. cucumis* p. 88 fig., [YASHNOV] **282**.

Bolina see *Bolinopsis*.

Bolinopsis paragaster **sp. n.** p. 4 fig. New Zealand, RALPH & KABERRY Zool. Publ. Victoria Univ. Coll. (Wellington N.Z.) No. 3 1950.—*B.* (*Bolina*) *infundibulum* p. 87 fig., [YASHNOV] **282**.

Cestus veneris pl. 8, SCHÖNMANN **217**. —*C.* (as *Cestum*) *veneris* p. 9, RALPH & KABERRY **195**.

Euchlora rubra p. 144 fig., KOMAI & TOKIOKA **133**.

Eurhamphaea vexilligera p. 149 fig., KOMAI & TOKIOKA **133**.

Lampetia sp. juv. p. 80 fig., RALPH **194**.

Lesueuria pinnata **sp. n.** p. 7 fig. New Zealand, RALPH & KABERRY Zool. Publ. Victoria Univ. Coll. (Wellington N.Z.) No. 3 1950.

Leucothea **sp. n.** [*sic*] pp. 146, 148 fig., MACGINITIE & MACGINITIE **164**.—*L. multicornis* p. 9, RALPH & KABERRY **195**.

Mertensia ovum p. 87 fig., [YASHNOV] **282**.

Pleurobrachia globosa p. 148 fig., KOMAI & TOKIOKA **133**.—*P. pileus* p. 517 fig., KRAMP **139**.—*P. bachei* p. 145 fig., MACGINITIE & MACGINITIE **164**.—*P. pileus* p. 79, RALPH **194**.—*P. pileus* p. 1, *helicoides* **sp. n.** p. 2 fig. New Zealand, RALPH & KABERRY Zool. Publ. Victoria Univ. Coll. (Wellington N.Z.) No. 3 1950.—*P. bachei* p. 144 fig., RICKETTS & CALVIN **199**.—*P. pileus* p. 87 fig., [YASHNOV] **282**.

INCERTAE SEDIS

†Acanthastida **group n.** p. 217, KOZLOWSKI Palaeont. Polonica **3** 1948.

†*Acanthastus* **gen. n.** p. 226, genotype (by original designation) *luniewskii* p. 226 fig., *czyzewskii* p. 227 fig., *mazureki* p. 227 fig., *mizerjai* p. 228 fig., *kobyleckii* p. 228 fig., **spp. n.** Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.

†*Challapora cuyana* p. 159, *minor* p. 160, RUSCONI **206**.

†*Conochitina biconstricta* **sp. n.** p. 289 fig. Devonian Brazil, LANGE Arq. Mus. Paranaense Curitiba **7** 1949.

†*Delheidia* p. A61, *proxima* p. A61, KÜHN **145**.

†Graptoblasti **group n.** p. 206, KOZLOWSKI Palaeont. Polonica **3** 1948.

†*Graptoblastoides* **gen. n.** p. 216, *nowaki* p. 216 fig., *horwitzi* p. 216 fig., **spp. n.** Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.

†*Graptoblastus* **gen. n.** p. 210, genotype (by original designation) *planus* **sp. n.** p. 210 fig., var. *tenuicostatus* **var. n.** p. 211 fig., *planissimus* **sp. n.** p. 211 fig., *cristatus* **sp. n** p. 212 fig., *rotundicostatus* **sp. n.** p. 212 fig., *tectiformis* **sp. n.** p. 213 fig., *convexus* **sp. n.** p. 213 fig., *longissimus* **sp. n.** p. 214 fig., *cinctus* **sp. n.** p. 214 fig., *exfoliatus* **sp. n.** p. 215 fig., *gigas* **sp. n.** p. 215 fig., Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.

†Graptovermida **group n.** p. 204, KOZLOWSKI Palaeont. Polonica **3** 1948.

†*Graptovermis* **gen. n.** p. 206, genotype (by original designation) *spiralis* p. 206 fig., *intestinalis* p. 206 fig., **spp. n.** Tremadoc Poland, KOZLOWSKI Palaeont. Polonica **3** 1948.